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JUNE 19, 1909

{Subscription, 10s. per annum, including Diary.
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UNDER NEW MANAGEMENT.

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CAMPHOR ENGLISH REFINED ENTIRELY FROM
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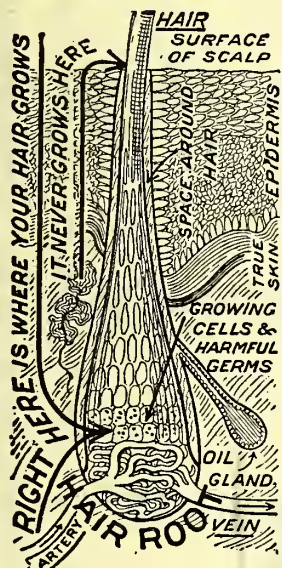
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CAPSULOIDS

FOR

**FALLING OUT and
PREMATURELY GREY****HAIR**

Look at this Diagram of a growing hair greatly magnified, showing how it grows entirely from its root, and that the root is nourished entirely by the blood. See the harmful germs in the root. When the blood is deranged these germs lodge there, multiply, use up the nourishment, soften the root, rob the hair of its colour, stop it growing and make it fall out. When CAPSULOIDS are taken they are dissolved in the stomach and pass into the blood. They supply the wonderful life-giving influence to the red corpuscles which destroy the germs, nourish the roots and cause healthy, vigorous growth of the hair, and CAPSULOIDS is the only remedy that will do this.

Price to the Public, 23 per box.

Price to Trade—For quantities of not less than 3 gross, 22/- per doz.; 1 gross, 22/6 per doz.; 4 dozen, 23/- per doz.

The above will be subject to a discount of 6d. per dozen if payment is made on or before the 10th of the month following month of purchase, and a further discount of 3d. per dozen ONLY IF CASH ACCOMPANIES THE ORDER. For less than 4 dozen, 23/6 per dozen, net cash with order.

*For Export, Capsuloids are specially packed in Glass Tubes.**Material for very Attractive Window Display supplied on application to***CAPSULOIDS (1909) Ltd., 47 HOLBORN VIADUCT, LONDON, E.C.**ON THE P.A.T.A. LIST.

MOTHER'S ADVICE

*(Formerly called CICFA)***CURES**

INDIGESTION,

CONSTIPATION, FLATULENCE, & ACIDITY.

PRICE TO THE PUBLIC, 1/1½ and 2 9 per bottle.
Neatly Packed in Glass Tubes.

LARGE SIZE CONTAINS 3 TIMES AS MANY AS SMALL SIZE,**PRICE TO TRADE.**

For quantities of	£10 and upwards,	for the small size	...	10/9
"	£10	" " large "	...	27/-
"	£5	" " small "	...	11/-
"	£5	" " large "	...	28/-

Subject to 2½ per cent. discount. **CASH WITH ORDER.**

For smaller quantities—small size, 11/3 per dozen, net cash with order.
" " " large size, 29/6 " " " "



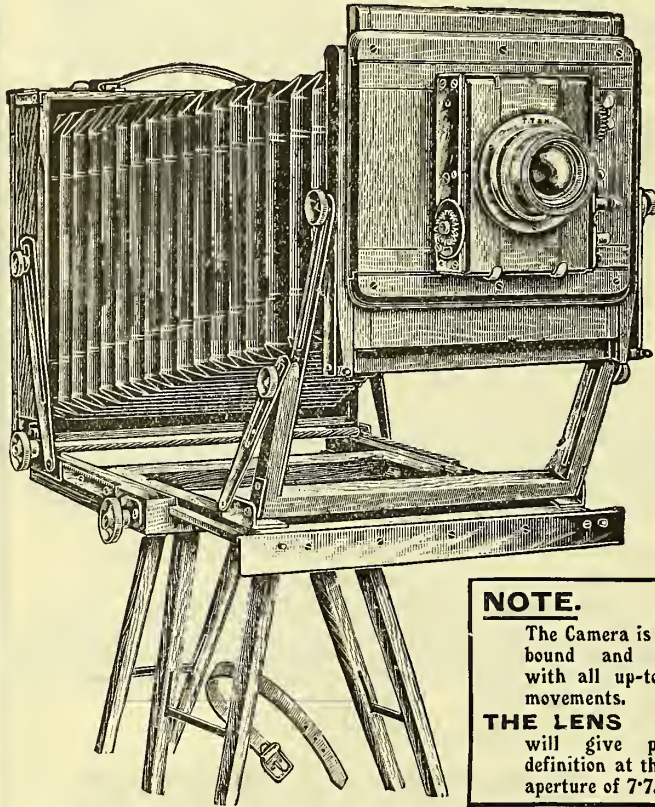
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"MOTHER'S ADVICE"

CURES INDIGESTION.**CAPSULOIDS (1909) Ltd., 47 HOLBORN VIADUCT, LONDON, E.C.**

The "HANOVER-COOKE"

Half-plate Camera Outfit.



**THE
SPECIALIST'S
CAMERA
AT
AN ORDINARY
PRICE.**

£6 15s.

Complete with Slide Tripod, Camera Case and
Cooke Lens, Series V., F 7.7.

NOTE.

The Camera is brass bound and fitted with all up-to-date movements.

THE LENS

will give perfect definition at the full aperture of 7.7.

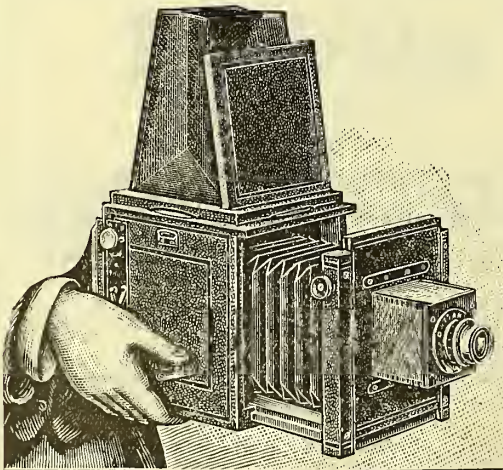


THE "MERSEY" REFLEX Camera.

Quarter-plate.—A compact model of the reflex type. **Fitted with Focal Plane** shutter for speeds up to $\frac{1}{2500}$ of a second; any focus lens up to 11 ins. can be adapted.

Price: £10 10 0

Complete with 3 double slides and T. T. & H. **Cooke Lens, Series V., F 7.7.**



EVANS SONS LESCHER & WEBB, Ltd. 56 Hanover St. LIVERPOOL.

The Subscription List will be opened on Monday, the 21st day of June, 1909, and will close on or before Thursday, the 24th day of June, 1909.

WRIGHT, LAYMAN & UMNEY (1909) Limited, Wholesale Druggists and Proprietors of WRIGHT'S COAL TAR SOAP

CAPITAL - - £135,000.

90,000 Six per cent. Cumulative Preference Shares of £1 each - - £90,000
45,000 Ordinary Shares of £1 each - - - - - 45,000

A Prospectus has been issued dated 16th June, 1909, offering for Subscription

£135,000

60,000 SIX PER CENT. CUMULATIVE PREFERENCE SHARES OF £1 EACH.

Preferential both as to dividend and as to capital.

30,000 Six per cent. Preference Shares of £1 each (the largest amount permissible in view of the Rules of the London Stock Exchange as to obtaining a Stock Exchange quotation) will be allotted to the Vendors, Wright, Layman & Umney, Limited, or their nominees, in part satisfaction of the purchase consideration, the balance being payable in Ordinary Shares and cash.

The London Joint Stock Bank, Limited, 5 Princes Street, London, E.C. (and Branches), is authorised to receive applications for the balance of the Shares in the Company, viz.:-

60,000 PREFERENCE SHARES AT PAR, payable as follows:-

On Application, 2s. 6d. On Allotment, 5s. One Month after Allotment, 12s. 6d. = £1.

No promotion money has been or will be paid, and no part of the issue has been or will be underwritten.

The Shares may be paid up in full on allotment, and Dividends will be calculated from the day of payment.

The Directors do not intend to go to allotment unless applications are received for the whole of the Preference Shares now offered for subscription.

The Accounts of the Company are intended to be made up to the 31st December in each year. The dividends on the Preference Shares will be paid in April and October, the first dividend, calculated from the date of the payment of the respective instalments, being paid in October, 1909. The Preference Shares have the restricted voting rights specified in the Company's Articles of Association.

Directors.

CHARLES UMNEY, F.I.C., F.C.S., *late Chairman of the Chemical Section of the Chamber of Commerce of London, Chairman.*
CHARLES NOEL LAYMAN.
ERNEST BLAKESLEY LAYMAN.

HERBERT CASSIN WRIGHT.
JOHN CHARLES UMNEY, F.C.S.,
FREDERICK NOEL LAYMAN,
ERNEST ALBERT UMNEY, } *Joint Managing Directors.*

Solicitor.- PERCY UMNEY, Richmond, Surrey.

Bankers.-THE LONDON JOINT STOCK BANK, LIMITED, 5, Princes Street, London, E.C.

Brokers.-SIDNEY J. LOVELL, 5, Throgmorton Avenue E.C.

Auditors.-EVANS, FRIPP, DEED & Co., Chartered Accountants, 90, Cannon Street, E.C.

THE PROSPECTUS states (*inter alia*) that:-

The Company has been formed for the purpose of taking over as a going concern and further developing the business of WRIGHT, LAYMAN & UMNEY, LIMITED, of Southwark, Wholesale and Export Druggists, Manufacturers of Pharmaceutical and Chemical Preparations, Distillers of Essential Oils, Manufacturers and Proprietors of "Wright's Coal Tar Soap" and other Coal Tar Specialities.

The business was established upwards of half a century ago in Fish Street Hill, in the City of London, and in or about 1866 was transferred to larger and more commodious premises in Southwark Street. Subsequently, in 1899, the growth of the business necessitated the acquisition of large manufacturing premises in Park Street, Southwark. The Company occupies a foremost position in the drug and chemical trade, while "Wright's Coal Tar Soap, which was first introduced in 1863, has, in common with other Coal Tar Preparations of the Company, been largely prescribed by the medical profession, and has thus gained a world-wide reputation. The Company has staunchly supported the joint interests of retailers and owners of proprietary articles, Mr. John C. Umney having been mainly instrumental in bringing about the formation of the Proprietary Articles Section of the London Chamber of Commerce.

In 1899, for family reasons, the business of Wright, Layman & Umney was converted into a private limited liability company, no shares being offered to the public.

The business premises situated in Southwark consist of warehouses and offices, fireproof vaults, laboratories, drug mills and factory equipped with extensive machinery and plant for the manufacture of soap and medicinal preparations.

The customers of the Company number upwards of 4,000 and include pharmaceutical chemists, chemists and druggists, medical practitioners, leading London and provincial hospitals, merchants and others in Great Britain, the Colonies, and all parts of the world.

The assets to be acquired by the Company are stated in detail in the Prospectus, and amount (according to the figures therein set out) to

£141,469 15 11
Less Trade Liabilities as at 31st December, 1908 15,469 15 11

126,000 0 0

To which will be added Cash provided by the issue (after deducting the Cash Purchase Money and such Preliminary Expenses as are to be borne by the Company), say 9,000 0 0

TOTAL £135,000 0 0

Messrs. Evans, Frupp, Deed & Co., who have audited the accounts of the business for over 20 years, certify that for the past four years the profits, after providing for all expenses and depreciation, but excluding Directors' Fees, Remuneration to Directors acting as Managers, and Income Tax, have been as follows:-

Year ended 31st December, 1905 £14,026 0 3
Year ended 31st December, 1906 £15,513 9 9
Year ended 31st December, 1907 £13,026 11 4
Year ended 31st December, 1908 £14,688 18 11

The certified average net profit on the above figures amounts to £14,313 15s., while the dividend on 90,000 Preference Shares at Six per cent. is only £5,400.

A valuation (a copy of which is set out in the Prospectus) has been given by Messrs. Fuller, Horsey, Sons & Cassell, of 11, Billiter Square, London, E.C., of the Leasehold Works and Warehouses to be acquired by the Company and the Fixed Plant, Machinery and Fixtures, Loose Plant, Tools and Utensils, and other effects in and about the same as a current going concern at the sum of sixteen thousand and eleven pounds (£16,011), including the value of the

enamelled iron and other advertisement plates exhibited in various parts of the country at the figure at which they stand in the books, but exclusive of any value for stock, stores or goodwill.

The Directors of the new Company, who have all been connected with the old Company for a considerable period, are satisfied that the Stock, which was taken at the end of 1908, was taken at or below current market rate, since which date there has been an appreciation in market values.

A sum of about £9,000 further working capital will be provided by the present issue, and judging from the success which has attended the Company's business the Directors have every confidence that the further capital provided by this issue can be profitably employed.

Mr. Charles Umney, who was actively engaged in the business up to 1905, and who since that date has acted as Chairman of the Vendor Company, will continue to act as Chairman of the Company. Herbert Cassin Wright, John Charles Umney, Frederick Noel Layman, and Ernest Albert Umney have agreed to act as Managing Directors for a period of five years, and to hold during such period not less than 2,500 Ordinary Shares and 2,500 Preference Shares each. Mr. Charles Umney, Mr. Charles Noel Layman, and Mr. Ernest Blakesley Layman will also act as Directors, and have undertaken to hold the like amount of capital during a like period, if they so long remain Directors.

The Purchase Price has been fixed by the Vendor Company (who are the promoters of the Company) at £125,000, of which £10,000 is for the Trade Marks and Registered Designs and £66,863 17s. 10d. for the Goodwill, payable as to £45,000 by the allotment of 45,000 fully-paid Ordinary Shares of £1 each, as to £30,000 by the allotment of 30,000 fully-paid Preference Shares of £1 each and as to the balance of £50,000 in cash. The new Company also undertakes to satisfy the debts and liabilities of the old Company. Certain investments forming a special reserve valued as at 31st December, 1908, at £2,617 are not included in the sale.

The Company will have the benefit of all profits from 1st January, 1909, subject to returning to the Vendor Company a sum of £7,000, estimated to be not more than the profits of the half-year from 1st January, 1909, to 1st July, 1909.

The Vendor Company will pay all the costs, charges and expenses of, and incidental to, the formation and registration of the Company up to allotment, and of, and incidental to, this issue, including all stamp duties payable on the registration of the Company and on all assurances of the various properties of the Company, the total sum so payable not to exceed £3,000. The balance of the preliminary expenses (which will be borne by the Company) are estimated not to exceed £1,000.

The Company will pay a brokerage of three pence per share on shares allotted pursuant to applications bearing a broker's stamp.

In view of the Agreements under which four of the Directors have agreed to hold 2,500 Ordinary Shares and 2,500 Preference Shares each for a period of five years the share qualification for the first Directors has been fixed at the nominal amount of one share, but all future Directors will be required to hold a qualification of £2,500 Ordinary and £2,500 Preference Share capital unless otherwise determined by the Company in general meeting.

Applications must be made on the forms accompanying the Prospectus and be lodged at the Company's Bankers or any of their branches, together with the deposit for the amount payable on application.

Application will be made to the London Stock Exchange for an official quotation of the Preference Shares.

Prospectuses and Forms of Application may be obtained at the Registered Office of the Company, No. 48, Southwark Street, London, S.E., and from the Bankers, Solicitor, Brokers and Auditors.

This Advertisement is issued for information only, and is not an invitation to subscribe for Shares.

No applications for Shares will be considered unless made on the Form which accompanies the Company's prospectus and refers thereto.

"KRYSYL"

(TRADE MARK.)

(STEVENSON.)

An Ideal Disinfectant,

Offering many advantages over Carbolic Acid, and always gives satisfaction.

"Krysyl" is non-caustic, and forms a milky opalescent mixture on the addition of water, thus proving much more economical in use than Carbolic, which sinks to the bottom of the water.

"Krysyl" is supplied to some of the largest Municipal Corporations, Hospitals, etc., in the World, as well as to various foreign Governments.

1/9 per gallon; 200 gallons, 1/7; 500 gallons, 1/6 per gallon Net.

40-GALLON CASKS FREE.

5-GALLON DRUMS, 3/6 EACH.

10-GALLON DRUMS, 6/- EACH, F.O.B.

Also attractively put up in pint bottles, 7/6 per dozen Net.

"KRYSYL" SURGICAL.

(TRADE MARK.)

(STEVENSON.)

This special miscible fluid is one of the most powerful Germicides on the market. It has a guaranteed co-efficiency of 16 on B. Typhosus according to the Rideal-Walker test. This test represents the power to sterilise a culture of a specified Bacterium, taking pure Phenol as the standard: in other words it means that the special Surgical "Krysyl" is **not less than 16 times the strength of Pure Carbolic Acid**, so that if 1 part of Carbolic Acid in 100 parts of water were required to destroy a culture of Bacillus Typhosus, 1 part of Surgical "Krysyl" in 1,600 parts of water would exert the same power.

This very high test fluid is naturally more expensive than ordinary "Krysyl," but this is more apparent than real when its great concentration is considered.

Price in Pint Bottles, 1/3 each; or 6/- per Gallon. **SPECIAL PRICE IN LARGE QUANTITY.**

1-gallon tins charged 1/- each; 5-gallon drums 3/6 each; and 10-gallon drums 6/- each.

SOLE PROPRIETORS:

Baiss Brothers & Stevenson, Ltd.

CONTRACTORS TO
H.M. GOVERNMENT.

JEWRY ST., LONDON, E.C.

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Telephone No. 852, Bank.

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Erhardt, H., & Co., Ltd.
Viscose Co., Ltd.

CAPS FOR BOTTLES, &c.

Erhardt, H., & Co., Ltd.
Fecher, M. J.
Viscose Co., Ltd. (self-fixing)

CAPSULES

Allen & Hanburys, Ltd.
Baiss Bros. & Stevenson, Ltd.
British Drug Houses, Ltd.
Davies, Sons & Co.
Denoual, J., & Co.
Duncan, Flockhart & Co.
Lloyd, T. Howard, & Co.
Mawson & Co.
Parke, Davis & Co.
Pill, Tablet, & Capsule Alliance
Tye, J., & Son
Wand Mfg. Co.
Wander, A.
Warriack Bros.
Woolley, J., Sons & Co

CAPSULING MACHINE

Melin, O.

CARAGHEEN MOSS

Holzmueller & Schmidt

CARBOLIC ACID

Burt, Boulton & Haywood, Ltd.
Calvert, F. C., & Co.
Chemists' Co-operative Wholesale
Hoffmann-La Roche, Ltd.
(See also DISINFECTANTS)

CARRIER CYCLES

Hetherington, R. D. D.

CARTONS

Ford, Shapland & Co.
Harrison & Waide

CASH TILLS

Gledhill, G. H., & Sons, Ltd.
National Cash Register Co., Ltd.
O'Brien, T.

CASTOR OIL

Boehm, F., Ltd.
Hull Oil Mfg. Co., Ltd.
Premier Oil Extract. Mills, Ltd.

CAUSTIC SODA

Brunner, Mond & Co., Ltd.

CEMENTS

May Bros., Ltd.

CHALK, PRECIPITATED

Levermore, A., & Co.
Mumford, G. S., & Sons
Nichols Chemical Co., Ltd.
Sturge, John & E.

CHAMOIS

Creswell Bros. & Schmitz
Internatl. Spunge Importers
Kent, G. B., & Sons, Ltd.
Solport Bros.

CHEMICAL MFRS.

Bayer Co., Ltd.
Boehringer, C. F., & Soehne
Bramwell, E., & Son
British Drug Houses, Ltd.
Brunner, Mond & Co., Ltd.
Burroughs Wellcome & Co.
Harrington Bros., Ltd.
Hoffmann-La Roche, Ltd.
Howards & Sons, Ltd.
Macfarlan, J. F., & Co.
May & Baker, Ltd.
Merck, E.
Morse, T., & Son
Reitmeyer & Co.
Schimmel & Co.
Smith, B. A., & Co.
Smith, T., & H., Ltd.
Sthamer, Dr. Richard
Sturge, John & E.
Tyrer, T., & Co., Ltd.
Washington Chemical Co.
White, A., & Sons

CHEMISTS, MFG.

Allen, Stafford, & Sons, Ltd.
Anglo-American Pharm. Co.
Ayrton, Saunders & Co.
Beetham, M., & Son
Bell, John, Hills & Lucas, Ltd.
Blackie, R.
British Drug Houses, Ltd.
Burroughs Wellcome & Co.
Bush, W. J., & Co., Ltd.
Davenport, J. T., Ltd.
Duncan, Flockhart & Co.
Evans Sons Lescher & Webb, Ltd.
Fletcher, Fletcher & Co.
Hay, William, Ltd.
Hewlett, C. J., & Son
Horner & Sons
Kutnow, S., & Co., Ltd.
Lloyd, T. Howard, & Co.
Lorimer & Co., Ltd.
Newball & Mason
Newbery, F., & Sons, Ltd.
Oldfield, Pattinson & Co.
Oppenheimer, Son & Co., Ltd.
Owbridge, W. T., Ltd.
Parke, Davis & Co.
Potter & Clarke
Randall & Son, Ltd.
Ransom, W., & Son
Reitmeyer & Co.
Sauky & Co.
Southall Bros. & Barclay, Ltd.
Squire & Sons
Standard Tablet & Pill Co.
Stevenson & Howell, Ltd.
Thompson & Capper
Wand Mfg. Co.
Woolleys, Ltd.
(See also WHOLESALERS)

CHEST PROTECTORS

Solport Bros.
Wood, Vincent

CHLORIDE OF LIME

Brunner, Mond & Co., Ltd.

CHLOROFORM

Duncan, Flockhart & Co.
Macfarlan, J. F., & Co.
May & Baker, Ltd.
Morse, T., & Son
Smith, T., & H., Ltd.

CIGARS AND CIGARETTES

Hovenden, R., & Sons, Ltd.
Singleton & Cole, Ltd.

CITRIC ACID AND CITRATES

British Drug Houses, Ltd.
Howards & Sons, Ltd.
Morse, T., & Son
Sturge, John & E.

CLOTH BALLS

Senior, A., & Co.

COCOA

Cadbury Bros., Ltd.
Frame Food Co.
Oppenheimer, Son & Co., Ltd.

CLINICAL THERMOMETERS

Burge, Warren & Ridgley, Ltd.
Darton, F., & Co.
Hicks, J. J.
Maw, S., Son & Sons
Newbery, F., & Sons, Ltd.
Zeal, G. H.

COAL TAR SPECIALITIES

Wright, Layman & Umney, Ltd.

COD-LIVER OIL

Albretson, A., & Co.
Allen & Hanburys, Ltd.
Alliance Drug & Chem. Co.
Baiss Bros. & Stevenson, Ltd.
British Drug Houses, Ltd.
Bush, H. W., & Co., Ltd.
Devold, Peder
Evans Sons Lescher & Webb, Ltd.
Goodall, Backhouse & Co.
Lloyd, T. Howard, & Co.
Oldfield, Pattinson & Co.
Southall Bros. & Barclay, Ltd.
Woolley, Jas., Sons, & Co., Ltd.
Wright, Layman & Umney, Ltd.
Zimmermann, A. & M.
Zimmermann, C., & Co.

COLOURS, BEVERAGE, &c.

Boake (A.), Roberts & Co., Ltd.
Cresp-Martineng
Stevenson & Howell, Ltd.
(See also DAIRY ADJUNCTS)

COMBS

Hovenden, R., & Sons, Ltd.
Kent, G. B., & Sons, Ltd.
Maw, S., Son & Sons
May, Roberts & Co.
Newbery, F., & Sons, Ltd.
Sangers

CORKS

Mitchell, N. W., & Sons, Ltd.

COUNTER ADJUNCTS

Evans Sons Lescher & Webb, Ltd.

COUNTER SPECIALITIES

Allen & Hanburys, Ltd.
British Drug Houses, Ltd.
Hewlett, C. J., & Son
Newbery, F., & Sons, Ltd.
Southall Bros. & Barclay, Ltd.
Woolleys, Ltd.

CREAM OF TARTAR

British Drug Houses, Ltd.

CREOSOTE

Baiss Bros. & Stevenson, Ltd.
Burt, Boulton & Haywood
Morse, T., & Son

CRÈPE BANDAGES

Gimber, W., & Son
Norwich Crêpe Co. (1856), Ltd.

CYANIDES

May & Baker, Ltd.

DAIRY SPECIALITIES

Benger's Food, Ltd.
Fullwood, R. J., & Bland
Oldfield, Pattinson & Co.
Tomlinson & Hayward, Ltd.

DENTAL MECHANICS

Fentiman, A. G.
Fentiman, A. J., & Co.
Halder, E. C.
Wardale & Co.

DENTIFRICES

Beecham, T.
Beiersdorf, P., & Co.
Bell, John, Hills & Lucas, Ltd.
Blackie, R.
Burroughs Wellcome & Co.
Calvert, F. C., & Co.
Christy, T., & Co.
Cook, E., & Co., Ltd.
Euery, Ltd.
Jewsbury & Brown
Lambert Pharmaceutical Co.
McKesson & Robbins
Maw, S., Son & Sons
Newbery, F., & Sons, Ltd.
Odol Chemical Works
Standard Tablet & Pill Co.
Woods, W., & Son
Woolley, J., Sons & Co., Ltd.

DIABETIC BREAD AND FOOD

Callard & Co.
Van Abbott, G., & Sons

DIGESTIVE PRODUCTS

Armour & Co., Ltd.
Benger's Food, Ltd.
Fairchild Bros. & Foster
Parke, Davis & Co.
Squire & Sons
Zimmermann, C., & Co.

DISINFECTANTS

Baiss Bros. & Stevenson, Ltd.
Burt, Boulton & Haywood, Ltd.
Calvert, F. C., & Co.
Condy & Mitchell, Ltd.
Dalmas, A. de St., & Co.
Edwards, W., & Son
Jeyes' Sanitary Compounds, Ltd.
Kay Bros., Ltd.
Lambert Pharmaceutical Co.
Roberts, Cornford & Co.
Sanitas Co., Ltd.
Tomlinson & Hayward, Ltd.
Willows, Francis B. & T.
Wright, Layman & Umney, Ltd.
Zimmermann, C., & Co.

DRUGGISTS' SUNDRIES

Ayrton, Saunders & Co., Ltd.
Barelay & Sons, Ltd.
Berliner, Arthur
Burge, Warren & Ridgley
Chemists' Co-operative Wholesale
Christy, T., & Co.
Cook, Alfred, & Co.
Edwards, W., & Son
Evans Sons Lescher & Webb
Fecher, M. J.
Gutmann, A. E., & Co.
Hay, J. B., & Co.
Hewlett, C. J., & Sons
Hovenden, R., & Sons, Ltd.
Johnsen & Jorgensen, Ltd.
Lennon, Ltd.
Maw, S., Son & Sons
May, Roberts & Co.
Murdoch, John, & Co.
Newbery, F., & Sons, Ltd.
Pothe, H., & Co.
Quelch, H. C., & Co.
Reuter, R. J.
Sangers
Schutze, F., & Co.
Solport Bros.
Southall Bros. & Barclay, Ltd.
Tidman & Son, Ltd.
Toogood, W., Ltd.
Viscose Co., Ltd.
Wood, Vincent
Woolley, J., Sons & Co.

DRUGS, CRUDE

Holzmueller & Schmidt
Potter & Clarke, Ltd.
Ransom, W., & Son
Salle, H., & Cie.

DYES

Judson, D., & Son

Whitaker & Co.

EAU DE COLOGNE

Breidenbach & Co.
Farina, J. M.
Farina, J. M. (No. 4)
Fickus, Courteuay & Co.
McCracken, J., & R.
Schutze, F., & Co.

EDUCATIONAL INSTITUTIONS

Bath and West of England College of Pharmacy
Birmingham and Midland College of Pharmacy
British Optical Institute
Edinburgh Central School of Pharmacy
Glasgow School of Pharmacy
Leeds College of Pharmacy
Liverpool School of Pharmacy
London College of Pharmacy
Manchester College of Pharmacy
Muter's (So. Lond.) School of Pharmacy
North of England School of Pharmacy
Northern College of Pharmacy
South of England College of Pharmacy
Westminster College of Pharmacy

EFFERVESCENT PREPS.

Allen & Hanburys, Ltd.
Bishop, Alfred, Ltd.
Blackie, R.
Bristol-Myers Co.
Cox, A. H., & Co., Ltd.
Evans Sons Lescher & Webb, Ltd.
Goodall, Backhouse & Co.
Kutnow, S., & Co., Ltd.
Lloyd, T. Howard, & Co.
Lorimer & Co., Ltd.
Newball & Mason
Potter & Clarke
Standard Tablet & Pill Co.
Sturge, John & E.
Tidman & Son, Ltd.
Tyrer, T., & Co., Ltd.
Wright, Layman & Umney

ELASTIC HOSIERY:

Ayrton, Saunders & Co., Ltd.
Berliner, Arthur
Burge, Warren & Ridgley, Ltd.
Haywood, J. H.
Jackson, Röhrs, & Co.
Maw, S., Son & Sons
Wood, Vincent

EMERY AND CLOTH

Oskey, J., & Sons, Ltd.

EMULSIONS, COD-LIVER**OIL, ETC.**

Allen & Hanbury's, Ltd.
Ayrton, Saunders & Co.
Baiss Bros. & Stevenson, Ltd.
Blackie, R.
British Drug Houses, Ltd.
Evans Sons Lescher & Webb, Ltd.
Faulding, F. H., & Co.
Harker, Stagg & Morgan, Ltd.
Lorimer & Co., Ltd.
Oldfield, Pattinson & Co.
Scott & Bowne, Ltd.
Parke, Davis & Co.
Woolley, Jas. Sons, & Co.
Woolleys, Ltd.

EPSOM SALTS

Howards & Sons, Ltd.

ESSENCES, CONCRETE

Lautier Fils
Murray, O., & Co., Ltd.
Roure-Bertrand fils
Schmoller & Bompard

ESSENCES, SOL. AND FRUIT

Alliance Drug & Chem. Co.
Baiss Bros. & Stevenson, Ltd.
Barnett & Foster
Boake (A.), Roberts & Co., Ltd.
Bush, W. J., & Co., Ltd.
Cresp-Martineau
Evans Sons Lescher & Webb
Hay, Wm., Ltd.
Lautier Fils
London Essence Co.
Lorimer & Co., Ltd.
Newball & Mason
Roure-Bertrand fils
Spencer, J., Son & Co.
Stevenson & Howell, Ltd.
Zimmermann, A. & M.

ENEMAS

Bailey, W. H., & Son
Burge, Warren & Ridgley
Davel Rubber Co.
Hay, J. B., & Co.
Ingram, J. G., & Son
Maw, S., Son & Sons
Toogood, W., Ltd.
Warne, W., & Co., Ltd.

ETHERS

Baiss Bros. & Stevenson, Ltd.
Macfarlan, J. F., & Co.
May & Baker, Ltd.
Tyrer, T., & Co., Ltd.
White, A., & Sons

EUCALYPTUS OIL

British Drug Houses, Ltd.
Baiss Bros. & Stevenson, Ltd.

EXTRACT OF HERBS

Newball & Mason
Potter & Clarke

EXTRACTS (MEDICINAL)

Allen, Stafford, & Sons, Ltd.
Chemists' Co-operative Wholesale
Hewlett, C. J., & Son
Parke, Davis & Co.
Ransom, W., & Son
(See also WHOLESALE DRUGGISTS)

FEEDING BOTTLES

Breitt, E., & Co., Ltd.
Fecher, M. J.
Hovenden, R., & Sons, Ltd.
Kilner Bros., Ltd.
Maw, S., Son & Sons
Sangers'
Southall Bros. & Barclay, Ltd.
Taylor, F. H., & Sons

FILTERS (WATER)

Berkfeld Filter Co., Ltd.

FLYCATCHERS

Alabastine Co. (British), Ltd.
Deansmere Manfg. Co.
Ford, Shapland & Co.
Frowein, C.
Kay Bros., Ltd.
Lange's, H., Successors
Smith, J. H., & Co.
Strong, Christy
Tunbridge & Wright

FORMALDEHYDE

Bart, Boulton & Haywood

FOODS, INFANTS'

Allen & Hanbury's, Ltd.
Benger's Food, Ltd.
Frame Food Co., Ltd.
Lofthouse & Saltmer
Natural Food Co., Ltd.
Willows, Francis B. & T.

FOODS, SPECIAL

Allen & Hanbury's, Ltd.
Benger's Food, Ltd.
Brand & Co., Ltd.
Burt, C. J.
Callard & Co.
Fairchild Bros. & Foster
Frame Food Co., Ltd.
Menley & James, Ltd.
Miol Manufacturing Co.
Natural Food Co., Ltd.
Wander, A.

FRUIT CRYSTALS

Aerators, Ltd.

FULLER'S EARTH

Mumford, G. S., & Sons

FUMIGATORS

Sanitas Co., Ltd.

GELATIN AND GLUE

Boehm, F., Ltd.

GLAUBER'S SALT

Bramwell, E., & Son
Howards & Sons, Ltd.

GOLD PAINT

Judson, D., & Son

HAIR PREPARATIONS

Capsuloids (1909), Ltd.
Cheshbrough Manfg. Co.
Dralle, George
Edwards' "Harlene" Co.
Harker, Stagg & Morgan
Herpicide Co.
John Bull Hair Food
John Strange Winter
Robare's Aureoline
Rowland, A., & Sons
Woolleys, Ltd.

HAIR WAXES AND CURLERS

Merkham Trading Co., Ltd.

GLYCERIN

Boehm, F., Ltd.
Price's Patent Candle Co.

GRINDERS

Allen, Stafford, & Sons, Ltd.
Goodall, Backhouse & Co.
Willows, Francis B. & T.

HAT DYES

Whitaker & Co.

HAT RENOVATORS

Christy, T., & Co.

HEATING FLASKS

Gutmann, A. E., & Co.

HERBS

Potter & Clarke

HOMOEOPATHIC MEDICINES

Ashton & Parsons, Ltd.
Keene & Ashwell, Ltd.
Leath & Ross

HOT-WATER BOTTLES

Berliner, Arthur
Burge, Warren & Ridgley
Maw, S., Son & Sons
May, Roberts & Co.
Southall Bros. & Barclay
Wood, Vincent

HOTELS

Esmond Hotel
Kingsley Hotel
Thackeray Hotel

HYDROGEN PEROXIDE

May & Baker, Ltd.
Sanitas Co., Ltd.
Tyrer, T., & Co., Ltd.

HYPOPHOSPHITES

May & Baker, Ltd.
Merck, E.
Tyrer, T., & Co., Ltd.

INHALERS

Christy, T., & Co.
Fecher, M. J.
Sangers'
Taylor, F. H., & Sons

INK

Hewley & Draper, Ltd.
Hickisson, A. B.

INSECT POWDER

Boehm, F., Ltd.
Smith, B. A., & Co.

INSECTICIDES

Christy, Thos., & Co.
Smith, B. A., & Co.
Tomlinson & Hayward, Ltd.
Voss, Walter, & Co.
Woolleys, Ltd.

IODINE AND IODIDES

Howards & Sons, Ltd.
Merck, E.
Morson, T., & Son

ITROSYL

Fletcher, Fletcher & Co.

JARS AND POTS

Breitt, E., & Co., Ltd.
Cook, A., & Co.
Johansen & Jorgensen, Ltd.
Kilner Bros., Ltd.
Lang, Jules, & Son
Maw, S., Son & Sons
Pothe, H., & Co.
Reuter, R. J.
Stipendium Stopper Co.
Taylor, F. H., & Sons
Toogood, W., Ltd.

LACTIC FERMENTS

Allen & Hanbury's, Ltd.
Cox, Arthur H., & Co., Ltd.
Parke Davis & Co.
Wilcox, Jozeau & Co.

LAMPS, DISINFECTING

Roberts, Cornford & Co.

LANOLINE

Burroughs Wellcome & Co.
Christy, T., & Co.
Sangers'

LARD

Chemists' Co-operative Wholesale
Ewen, J., & Sons

LIME AND JUICE CORDIAL

Evans Sons Lescher & Webb
Goodall, Backhouse & Co.
Idris & Co., Ltd.

LINSEED, CRUSHED, ETC.

Allen, Stafford, & Sons
Mumford, G. S., & Sons

LINTS

Vernon & Co., Ltd.

LIQUORICE JUICE

Boehm, F., Ltd.
British Drug Houses, Ltd.
Evans, Gray & Hood
Evans Sons Lescher & Webb, Ltd.
Hornor & Sons
Jackson, E. E.
Mumford, G. S., & Sons

LIQUORS, CONC., ETC.

Allen, Stafford, & Sons, Ltd.
Fletcher & Fletcher & Co.
Hewlett, C. J., & Son
Robinson, B., & Co.

LITHIA SALTS

British Drug Houses, Ltd.
May & Baker, Ltd.
Merck, E.

LOOFAHS

Cresswell Bros. & Schmits

LOZENGES

Allen & Hanbury's, Ltd.
Cox, A. H., & Co., Ltd.
Denoual, J., & Co.
Jackson, E. E.
Potter & Clarke
Raimes & Co.
Warrick Bros.

MACHINERY, PHARMACAL

Allen & Hanbury's, Ltd.
Bennett, E., & Son, Ltd.
Bennett, Sons & Shears, Ltd.
Brown & Son
Fecher, M. J.
Gardner, Wm., & Sons, Ltd.
"Heronles" Meat Juice Press
Pindar, J. W., & Co.
Smith, B. A., & Co.
Stokes, F. J., Machine Co.
Thompson & Capper (Stokes)
Wilkinson, S. W., & Co.

MAGNESIA AND ITS SALTS

Henry, T. & W.
Howards & Sons, Ltd.
May & Baker, Ltd.
Washington Chemical Co.

MAILING CASES

May, Roberts & Co.

MALT EXTRACT AND PREPS.

Allen & Hanbury's, Ltd.
Baiss Bros. & Stevenson, Ltd.
Blackie, R.
British Dia Malt Co.
Burroughs Wellcome & Co.
Evans Sons Lescher & Webb
Hewlett, C. J., & Son
Lorimer & Co., Ltd.
Oppenheimer, Son & Co., Ltd.
Paine & Co., Ltd.
Southall Bros. & Barclay, Ltd.
Squire & Sons
Woolley, Jas. Sons & Co., Ltd.
Wright, Layman & Umney

MARKING INK

Hickisson, A. (Boud's)

MEAT EXTRACT

Armour & Co., Ltd.
Brand & Co., Ltd.

MEDICINE CHESTS

Burroughs Wellcome & Co.
Keene & Ashwell, Ltd.
Leath & Ross
Lloyd, T. Howard & Co.
Parke, Davis & Co.

MENTHOL CONES

Maw, S., Son & Sons

MERCURIALS

Howards & Sons, Ltd.
May & Baker, Ltd.
Merck, E.
Tyrer, T., & Co., Ltd.

METEOROLOGICAL SETS

Darton, F. & Co.

METHYLATED SPIRIT

Burroughs, J., Ltd.
Preston's Liverpool Distillery
Randall & Son, Ltd.

MILK APPARATUS

Zimmermann, U., & Co.

MILK BYPRODUCTS

Caseln, Ltd.

MINERAL WATERS AND**SALTS**

Apollinaris Co., Ltd.
British Drug Houses, Ltd.
Hughes E. Griffiths
Ingram & Royle, Ltd.
Vichy (State Springs)

NAPHTHAS

Burt, Boulton & Haywood

NASAL DOUCHES

Taylor, F. H., & Sons

OILS, ESSENTIAL

Allen, Stafford, & Sons, Ltd.
Alliance Drug & Chem. Co.
Baiss Bros. & Stevenson
Boake (A.), Roberts & Co., Ltd.
Bush, W. J., & Co., Ltd.
Chiris, Antoine
Cresp-Martineau
Evans Sons Lescher & Webb, Ltd.
Holzmüller & Schmidt
Hornor & Sons
Jackson, J., & Co.
Lautier Fils
London Essence Co.
Matthew, Jesse
Mühlethaler, Th., Ltd.
Pasquale, S. F. de, & Fratelli
Poppelreuter, W.
Ransom, W., & Son
Roure-Bertrand fils
Sachse, E., & Co.
Schimmel & Co.
Schmoller & Bompard
Spencer, J., Son & Co.
Stevenson & Howell, Ltd.
Todd, A. M., Co.
Wright, Layman & Umney
Zimmermann, A. & M.

OILS, FATTY, ETC.

Allen, Stafford & Sons, Ltd.
Cresp-Martineau
Price's Patent Candle Co.
Smith, B. A., & Co.

OILS, MINERAL

Price's Patent Candle Co.
Wright, Layman & Umney

OINTMENTS

Blackie, R.
Chemists' Co-operative Wholesale
Oldfield, Pattinson & Co.

OPTICAL GOODS

Botwright & Grey
Darton, F., & Co.
Maw, S., Son & Sons
Newbery, F., & Sons, Ltd.
Nitsche & Günther
Raphael's, Ltd.

OPTICAL INSTRUCTION

British Optical Institute

OTTO OF ROSE

Boutcheff & Kidoff
Pappazoglou, D.
Reitmeyer & Co. (synthetic)
Seraphimoff, S., & Co.
Shipkoff & Co.

PASTILLES

Allen & Hanbury's, Ltd.
Asche, C. F., & Co.
Baiss Bros. & Stevenson
Burroughs Wellcome & Co.
Denoual, J., & Co.
Evans Sons Lescher & Webb
Warrick Bros.

PACKED GOODS

(See WHOLESALE)

PALATINOLIDS

Oppenheimer, Sons & Co.

PATENT AGENT

Barker, R. W.

PERFUME MATERIALS

Bush, W. J., & Co., Ltd.
 Chris, Antoine
 Compagnie Morana
 Cresp-Martineq
 Lautner Fils
 Mühlethaler, Th., Ltd.
 Murray, O., & Co., Ltd.
 Schimmel & Co.
 Shipkoff & Co.
 Spencer, J., Son & Co.
 Treatt, R. C., & Co.
 Zimmermann, C., & Co.

PERFUMES

Allen & Hanbury, Ltd.
 Barclay & Sons, Ltd.
 Breidenbach & Co.
 Bronnley, H., & Co., Ltd.
 Bush, W. J., & Co., Ltd.
 Christy, T., & Co.
 Chuit, Naef & Co.
 Cresp-Martineq
 Dralle, Georg.
 Erasmio Co., Ltd.
 Evans Sons Lescher & Webb, Ltd.
 Hewlett, O. J., & Son
 Hovenden, R., & Sons, Ltd.
 Lescol Perfumery Co.
 McCracken, J. & R.
 Maw, S., Son & Sons
 Newbery, F., & Sons, Ltd.
 Quelch, H. C., & Co.
 Southall Bros. & Barclay
 Spencer, J., Son & Co.
 To-Kalon Mfg. Co.
 Warriek Bros.
 West, T.
 Yardley & Co., Ltd.

PESSARIES

Burge, Warren & Ridgley
 Rendell, W. J

PETROLEUM EMULSION

British Drug Houses, Ltd.

PETROLEUM JELLY

Chesebrough Mfg. Co.

PHOTO-CHEMICALS

Boehringer, C. F., & Soehne
 Burroughs Wellcome & Co.
 Lockyer, J. E.
 Merck, B.

PHOTO-GOODS

Barclay & Sons, Ltd.
 Darton, F., & Co.
 Evans Sons Lescher & Webb
 Halifax Photographic Co.
 Ilford, Ltd.
 Lennon, Ltd.
 May, Roberts & Co.
 Murdoch, John, & Co.
 Newbery, F., & Sons, Ltd.

**PHOTO-ENLARGERS,
PRINTERS, &c.**

Express Developing Co.
 Halifax Photographic Co.

PILL MAKERS

Allen & Hanbury, Ltd.
 Asche, C. F., & Co.
 Bishop, Alfred, Ltd.
 British Drug Houses, Ltd.
 Cox, A. H., & Co., Ltd.
 Davies, Sons & Co.
 Evans Sons Lescher & Webb, Ltd.
 Hewlett, O. J., & Son
 Howards & Sons, Ltd.
 Lloyd, T. Howard, & Co.
 McKesson & Robbins
 Parke, Davis & Co.
 Pill, Tablet, & Capsule Alliance
 Southall Bros. & Barclay
 Standard Tablet & Pill Co.
 Wand Mfg. Co.
 Warner, W. R., & Co.
 Woolley, J., Sons & Co., Ltd.

PLASTERS

Alcock Mfg. Co.
 Berliner, Arthur
 Beiersdorf, P., & Co.
 Dalmas, A. de St., & Co.
 Leslies, Ltd.
 Maw, S., Son & Sons
 Solport Bros.

POLISHES (VARIOUS)

Bradley & Bourdas
 Judson, Daniel, & Son
 Oakey, J., & Son, Ltd.

PROPRIETARY ARTICLES

American Drug Stores
 Anglo-American Drug Co.
 Anglo-American Phar. Co., Ltd.
 Ashton & Parsons, Ltd.
 Atkinson & Barker
 Barclay & Sons, Ltd.
 Battle, Son & Maltby
 Beecham, T.
 Beiersdorf, P., & Co.
 Box, W. H.
 British Drug Houses, Ltd.
 Capsuloids (1909), Ltd.
 Cardinal Mfg. Co., Ltd.
 Christy, T., & Co.
 Coleman & Co., Ltd.
 Congreve, G. T.
 Cox, A. H., & Co., Ltd.
 Curry, Henry
 Daggett & Ramsdell
 Daisy, Ltd.
 Davenport, J. T., Ltd.
 Day & Sons (Crewel), Ltd.
 Day, Son & Hewitt
 Denoual, J., & Co.
 Edwards, W., & Son
 Elliman, Sons & Co.
 Evans Sons Lescher & Webb
 Faulding, F. H., & Co.
 Fellows' Syrup
 Fennings, Alfred
 Ferris & Co.
 Fulford, C. E., Ltd.
 Giles, H. G., & Co.
 Goodall, Backhouse & Co.
 Grapelax, Ltd.
 Greeff, R. W., & Co.
 Gruy's Tonic Co.
 Heals Manufacturing Co.
 Henry, T. & W.
 Hovenden, R., & Sons, Ltd.
 Hughes, E. Griffiths
 Ichthyol Co.
 International Chemical Co.
 Iron-Ox Rem. Co., Ltd.
 Kay Bros., Ltd.
 Kutnow, S., & Co., Ltd.
 Lakor's, Dr., Phosphodyne
 Lambert Pharmacal Co.
 Lofthouse & Saltmer
 Lorimer & Co., Ltd.
 May Roberts & Co.
 Menley & James, Ltd.
 Mjol Manufacturing Co.
 Newbery, F., & Sons, Ltd.
 Odol Chemical Works
 Owbridge, W. T., Ltd.
 Pedery Co.
 Powell, Thomas, Ltd.
 Resinol Chemical Co.
 Richards, J. M., & Sons
 Rubelw Co.
 Sangers'
 Savarasse's Capsules (Evans)
 Schimmel & Co.
 Scott & Bowne, Ltd.
 Squire & Sons
 Standard Tablet & Pill Co.
 Stedman's Teething Powders
 Thompson & Capper
 To-Kalon Mfg. Co.
 Tunbridge & Wright
 Wilcox, Jozeau & Co.
 Zotos, Ltd.
 (See also DENTIFRICES and TOILET ARTICLES)

PRINTERS

Dudley & Co.
 Ford, Shapland & Co.
 Harrison & Waide
 Smith, W. H., & Son
 Townsend, J., & Sons

PULVELLÆ

Warriek Bros.

PULVERETTES

Oppenheimer, Son & Co., Ltd.

PUMPS

Berkefeld Filter Co., Ltd.

QUININE AND SALTS

Boehringer, C. F., & Soehne
 Howards & Sons, Ltd.

RAZORS

Auto-Strop Safety Razor Co.
 Hovenden, R., & Sons, Ltd.

RENNET

Fullwood, R. J., & Bland
 Oldfield, Pattinson & Co.

RESINS AND RESINOIDS

Allen, S., & Sons, Ltd.
 Allen & Hanbury, Ltd.
 Morson, T., & Son
 Ransom, W., & Son
 Smith, T. & H., Ltd.

RESPIRATORS

Zimmer & Co.

RUBBER GOODS

Davol Rubber Co.
 Burge, Warren & Ridgley, Ltd.
 Evans Sons Lescher & Webb, Ltd.
 Fecher, M. J.
 Galen Mfg. Co.
 Haywood, J. H.
 Hovenden, R., & Sons, Ltd.
 Maw, S., Son & Sons
 May, Roberts & Co.
 Warne, W., & Co., Ltd.

SACCHARIN

Saccharin Corporation, Ltd.

SALICIN

Macfarlan, J. F., & Co.
 Smith, T. & H., Ltd.

SALICYLATES

Bayer Co., Ltd.

SAMPLE CASES

Keane, Thomas

SANTONIN

Smith, B. A., & Co.

SAPONIN

Field, C. W.
 Stamer, Dr. B.

SAUCES

Goodall, Backhouse & Co.

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Morson, T., & Son

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Lange's, H., Successors

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Tidman & Son, Ltd.

SEA-SICKNESS REMEDY

Zotos, Ltd.

SELTZOGENES

Aerators, Ltd.

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 Evans Sons Lescher & Webb
 Parke, Davis & Co.
 Schimmel & Co.
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SHEEP-DIPS

Burt, Boulton & Haywood
 Sanitas Co., Ltd.
 Tomlinson & Hayward, Ltd.

SHOP-FITTING

Ayrton-Graham, Ltd.
 Bowling & Son
 Cleworth, J.
 Evans Sons Lescher & Webb, Ltd.
 Josephs, P., & Son
 Maw, S., Son & Sons
 Mills, H.
 Rudduck & Co.
 Sangers'
 Southall Bros. & Barclay, Ltd.

SOAP MATERIALS

Chris, Antoine

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 Armour & Co., Ltd.
 Breidenbach & Co.
 Bronnley, H., & Co., Ltd.
 Chesebrough Mfg. Co.
 Cook, E., & Co., Ltd.
 Chesebrough Mfg. Co.
 Erasmio Co., Ltd.
 Lescol Perfumery Co.
 Oakey, J., & Son, Ltd.
 Pears, A. & F., Ltd.
 Price's Patent Candle Co.
 Richards, J. M., & Sons
 Wright, Layman & Umney
 Yardley & Co., Ltd.

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Armour & Co., Ltd.
 Bronnley, H., & Co., Ltd.
 Calvert, F. C., & Co.
 Fandling, F. H., & Co.
 Lambert Pharm. Co.
 Wright, Layman & Umney

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British Automatic Aerators, Ltd.

SODIUM BICARBONATE

Brunner, Mond & Co., Ltd.
 Howards & Sons, Ltd.
 Mumford, G. S.

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 Taylor, F. H., & Sons

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Aerators, Ltd.

SPECTACLES

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 Nitsche & Günther
 Raphael's, Ltd.

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Hicks, J. J.

SPIRIT OF WINE

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 Preston's Liverpool Distillery

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Maw, S., Son & Sons

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 Schutze, F., & Co.
 Toogood, W., Ltd.

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Cresswell Bros. & Schmits
 Internat. Sponge Importers
 Kent, G. B., & Sons, Ltd.
 Maw, S., Son & Sons
 Sangers'

SPONGIO-PILNE

Whitehead, K. R., & Bros.

SPRAYS

Burge, Warren & Ridgley, Ltd.
 Cook, Alfred, & Co.
 Davol Rubber Co.
 Hovenden, R., & Sons, Ltd.
 Maw, S., Son & Sons
 May, Roberts & Co.
 Newbery, F., & Sons, Ltd.
 Parke, Davis & Co.
 Sangers'

STARCH

Mumford, G. S., & Sons

STOPPERS

Fletcher, Fletcher & Co.
 Stipendum Stopper Co.

STOVES (HEATING)

Clark, S., & Co.

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 Bailey, W. H., & Son
 Burroughs Wellcome & Co.
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 Wood, Vincent
 Warne, W., & Co., Ltd.

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 Berliner, Arthur
 Burroughs Wellcome & Co.
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 Leslies, Ltd.
 Liverpool Lint Co.
 Macfarlan, J. F., & Co.
 Maw, S., Son & Sons
 Newsome, C.
 Robinson & Sons, Ltd.
 Southall Bros. & Barclay
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 Wood, Vincent
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 Boehringer, C. H., Sohn
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Aerators, Ltd.
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 Brefft, E., & Co., Ltd.
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Idris & Co., Ltd.**SYRUPS, MEDICINAL**
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Fellows' Mfg. Co.
Fletcher, Fletcher & Co.
Squire & Sons**TABLETS, COMPRESSED**

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Ayrton, Saunders & Co.
Bishop, Alfred, Ltd.
British Drug Houses, Ltd.
Cox, A. H., & Co., Ltd.
Davies, Sons & Co.
Duncan, Flockhart & Co.
Evans Sons Lescher & Webb
Howards & Sons, Ltd.
Jackson, E. E.
Lloyd, T. Howard & Co.
McKesson & Robbins
Parke, Davis & Co.
Pill, Tablet & Capsule Alliance
Potter & Clarke
Standard Tablet & Pill Co.
Thompson & Capper
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Warner, W. R. (Newbery)

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British Drug Houses, Ltd.
Boehringer, O. H., Sohn**TELEPHONE CAPS**
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Daggett & Ramsdell
Daisy, Ltd.
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Erasmie Co., Ltd.
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Lloyd, A. S. (Hovenden)
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Newbery, F., & Sons, Ltd.
Odol Chemical Works
Papier Poudre Ltd.
Pharmazeutische Industrie
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Richards, J. M., & Sons, Ltd.
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To-Kalon Mfg. Co.
Toogood, W., Ltd.
Velvix Toilet Co.
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Ford, Shapland & Co.**TRUSSES**
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Edwards, W., & Son
Elliman, Sons & Co.
Harvey & Co., Ltd.
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Tomlinson & Hayward, Ltd.
Walker, Troke & Co.
Waud Mfg. Co.
Wilson Vet. Mfg. Co.
Yong, W. F.**VINEGAR**
Grimble & Co.**WATERS, CONCENTRATED**
Chemists' Co-operative Wholesale
Robinson, B., & Co., Ltd.**WEED-KILLERS**

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Alliance Drug & Chem. Co.
Ayrton, Saunders & Co.
Bais Bros. & Stevenson, Ltd.
Bell, John, Hills & Lucas, Ltd.
Blackie, R.
British Drug Houses, Ltd.
Burroughs Wellcome & Co.
Chemists' Co-op. Wholesale
Evans Sons Lescher & Webb
Ferris & Co.
Goodall, Backhouse & Co.
Harker, Stagg & Morgan
Hewlett, O. J., & Son
Horner & Sons
Lennon, Ltd.
Lloyd, T. Howard, & Co.
Lofthouse & Saltmer
Murdoch, John, & Co.
Oldfield, Pattinson & Co.
Potter & Clarke
Raines & Co.
Sankyo & Co.
Smith, Stanistreet & Co.
Southall Bros. & Barclay
Warner, W. R. (Newbery)
Willows, Francis B. & T.
Woolley, J., Sons & Co.
Woolleys, Ltd.
Wright, Layman & Umney

WINES
Burrough, J., Ltd.
Millar, A., & Co., Ltd.
Robinson, B., & Co., Ltd.**WINES, MEDICATED**
Burrough, J., Ltd.
Coleman & Co., Ltd.
Fletcher, Fletcher & Co., Ltd.**WORM CAKES**
Cox, A. H., & Co., Ltd.**ZINC OXIDE**
Bais Bros. & Stevenson
Hubbuck, T., & Son, Ltd.**AWARDED****GRAND PRIX**

— AT THE —

International Exhibition, Paris, April 1906,

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**FRUIT & SOLUBLE ESSENCES,
FLORAL OTTOS & COLOURS.****THE BEST HOUSE IN THE TRADE.**

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Natural Flavours, Fragrant Ottos, Harmless Colours.

Price List and Free Samples on application.

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London.”**J. SPENCER, SON & CO.,**

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D. GRANT, SHOPFITTER & PATENTEE, ST. JAMES PLACE, EDINBURGH.

IN a long and varied experience of Chemist Shop Fitting the most frequently expressed wish of Chemists is to have a centre Showcase for the display of Sponges. In the Case illustrated below this wish has been met. By means of a patent system of brass wire sliding trays the sponges can be so classified and arranged both as to quality and price that any sponge which a customer may select can be secured without any trouble or disarranging of case. The trays are so constructed as to be entirely hidden by goods, and as many divisions as desired can be arranged for. The same arrangement can be applied to any ordinary sponge case.

On receipt of floor plan and measurements I shall always be pleased to supply sketches and estimates for every description of Chemist Fittings, which of course varies with different shops.

Fittings made up for foreign and colonial trade in special style and fitted up in our workshop in suitable sections before being despatched, and which can be refitted up by any ordinary tradesman.

'PHONE : 3969Y CENTRAL.



SPONGE CASE with patent system of trays.

The following is a List of Chemist Shops Fitted up to 1909 :—

EDINBURGH.—

Mr. WATT, Newington.
" SUTHERLAND, Rodney Street.
" WHYTE, Inverleith Row.
" ROBERTSON, Inverleith Row.
" ANDERSON, Tollcross.
" ANDERSON, Morningside.
" GLASS, Morningside.
" GLASS, North Bridge.
" BAXTER, Strathearn Road.
" GIBB, Marchmont Road.
" REID, Elm Row.
" BEATTIE, Bruntsfield Place.
" MASON, Comely Green.
" MCCALLUM, Meadowbank.
" COWIE, Dublin Street.
" SOMERVILLE, Clerk Street.

" COATES, Leith.
" DUDGEON, Leith.
" CORMACK, Corstorphine.
" JAMIESON, Rosliu.
" MULVENNA, Gilmerton.
" STENHOUSE, Musselburgh.
" KEMP, Eskbank.
" KEMP, Dalkeith.
" LAING, Juniper Green.

Mr. LAING, Colinton.
" McLAREN, Pathhead.
Dr. KELSO, Broxburn.
Mr. STUART, Broxburn.
" REID, Bathgate.
" FORRESTER, Dysart.
" FORRESTER, Cupar.
" FORRESTER, Sinclairtown.
" BOWMAN, Cardenden.
" RAMSAY, Cardenden.
" BOWMAN, Anstruther.
" ROBERTSON, Douglas Street,
Dumfermline.
" ROBERTSON, Moodie Street,
Dumfermline.
" GREIG, Cowdenbeath.
" YULE, Cowdenbeath.
" ROBERTSON, St. Andrews.
" HUSBAND, Leven.
" COWIE, Largo.
" FRASER, West Linton.
" KEARNEY, Hawick.
" SCROGGIE, Lauder.
" ROBERTSON, Berwick.
" CRAIG, Lanark.
" EUNSON, Biggar.
" D. DUNCAN, Grahamston, Falkirk.

Mr. REID, Bothwell.
" MCNAUGHTON, Port Glasgow.
" J. FRASER, Helensburgh.
" FREELAND, Dunoon.
" B. McLEAN, Kilmacolm.
" BOYD, Kilmarnock.
" McINNES, West Kilbride.
" HARLEY, Bridgend, Perth.
" HARLEY, High Street, Perth.
" MUNRO, Scone.
" BRUNTON, Perth.
" NICOL, Carroustie.
" PETRIE, Blairgowrie.
" BUCHANAN, Kirriemuir.
" HUNTER, Fraserburgh.
" HAY, Banff.
" FRASER, Forres.
" McDONALD, Inverness.
" HENDRY, Inverness.
" McVITIE, Maryport.
" H. H. SWANN, Paris.
" LAIDLAW, Lockerbie.
" SMITH, Boness.
" MICHIE, Perth Road, Dundee.
" CAIRNIE, Lochgelly.
" FOTHERINGHAM, Dalry, Ayrshire.
" McINNES, Bathgate.

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225 Tottenham Court Road, London, W.

Great Reduction in Prices.

Cash Registers from £4 upwards.

Autographics, £1 to £6.

Buy direct from us. We Pay no Commissions to Agents.



Use a National Cash Register in your shop!
It will save you money, mistakes it will stop,
Protecting your Customers, trade will increase,
Your time will be saved, and your worry decrease.

We accept monthly instalments if required.

Established 20 years.

Our Machines Guaranteed to be Cheaper and Better than any other make.

**New Machines at lower prices than those charged
by other dealers for similar machines second-hand**

Write for particulars, or call at any of our Show Rooms and inspect our stock, where we have Cash Registers suitable for every class of shop, from the smallest to the largest.

New Price List now ready. Post Free per return.

Imperial International Exhibition, Shepherd's Bush: we are exhibiting at our Pavilion opposite the Flip-Flap, where we shall be pleased to demonstrate any of our Registers to anyone who favours us with a visit.

BRANCH OFFICES IN EVERY TOWN.

SPECIAL NOTICE.—ALTERATION OF PRICES.**Powell's Balsam of Aniseed****Coughs, &c.****Colds, &c.**

On and after the 17th day of June, 1909, the terms for Powell's Balsam of Aniseed will be as follows:—

Size.		Our Price per dozen.		Minimum Wholesale Price.		Minimum Retail Price.
1/1½	...	9/9 Net	...	10/6	...	1/0½
2/3	...	20/- "	...	21/6	...	2/3
4/6	...	40/- "	...	43/-	...	4/6
11/-	...	100/6 "	...	108/-	...	11/-

The smallest quantity we supply is £5 worth. Cash with order. Carriage forward.

Sole Proprietors: **THOMAS POWELL, Ltd., Blackfriars, LONDON.**

VITTORIA LIQUORICE JUICE. THE FINEST AND PUREST OBTAINABLE.

8½d. per lb., 75/- per cwt. in 2-oz. and 4-oz. sticks.

Specialities.

**Essential Oils, High Class Powders from Specially Selected Drugs,
Crude Drugs of all Descriptions.**

*Correspondence in French, German, Spanish and Portuguese.
Indents executed for all Classes of Good on Commission Basis.*

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Cough
Drops.**
H. G. GILES & CO.

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Street,
ALDERSHOT, HANTS.

1/- per Box.
Post free,
1/1½

Price to the Public: 1/1½ per Box.

PRICE TO TRADE:

For quantities of not less than 3 gross,
9/- per doz.

1 gross ... 9/6 per doz.
4 doz. ... 9/9 "

TERMS: Net Cash with order.

FOR QUANTITIES AS STATED ABOVE, CARRIAGE PAID.

To ensure a correct ratio of profit

upon money invested in stock, it is necessary that purchases be made with due regard to the selling power possessed by the stock itself.



EUTHYMOL COLD CREAM illustrates this point well; for the pharmacist who buys the preparation for retail sale becomes possessed of the newest in toilet creams, an added attraction to his display shelves, and a profit-maker second to none.



Upon first orders for a Carton of $2\frac{1}{4}$ dozen we supply the quantity at the invoice price for 2 dozen, in consideration of the fact that this new line shall receive suitable prominence in displays of toilet articles.

PARKE, DAVIS & CO., 50 BEAK STREET, LONDON, W.
REGENT STREET,

THE NATURAL MINERAL WATERS OF

VICHY

(STATE SPRINGS)

**CÉLESTINS** For Diseases of the Kidneys, Gravel,
Gout, Rheumatism, Diabetes, &c.**GRANDE-GRILLE** For Diseases of the Liver and
Biliary Organs, &c.**HOPITAL** For Stomach Complaints, Indigestion, &c.**VICHY-ÉTAT PASTILLES** Two or three Pastilles after each
meal facilitate digestion.**VICHY-ÉTAT COMPRIMÉS** For instantaneously producing an
effervescing alkaline water.*Price Lists, Show Cards, Dummy Bottles, Pamphlets, &c.***CAUTION.**—Each Bottle from the STATE SPRINGS bears a neck label with the
word "VICHY-ÉTAT" and the name of the SOLE AGENTS:—**INGRAM & ROYLE, LTD., 26 UPPER THAMES STREET, E.C.** And at LIVERPOOL and
BRISTOL.**A. MILLAR & CO., LTD., DUBLIN**
PURE ORANGE WINE(VINUM AURANTII, B.P.), prepared in strict accordance with the Formula of the British Pharmacopœia. (Wholesale only.)
London Agent: T. W. CASHMAN, 16 Mark Lane, E.C. Telephone No.: 8067 LONDON WALL.Established
1855.**ROBINSON'S ORIGINAL** Excise Drawback on
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of the British Pharmacopœia. They are always of uniform strength, and will keep good any length of time in any climate.

Aqua Amygd. Amar. Conc. (U.S.) 4/- per lb.	Aqua Cassia Conc. ... 4/- per lb.	Aqua Menth. Virid. Conc. ... 4/- per lb.
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" Cinnam. Ver. Conc. ... 6/- "	" Ang. Conc. ... 6/- "	" Virgin " ... 10/6 "

The above may be had in 1-lb., 1/2-lb., or 1-oz. Bottles and upwards, through most of the Wholesale Drug Houses.

Each Bottle has the inventor's Protection Label over the cork, without which none are genuine.

SUPERIOR ORANGE WINE (Vin. Aurantii, B.P. 1898).

Samples of any of the above sent free on application from

R. ROBINSON & CO., LTD., Distillers and Brewers of British Wines **CHURCH ST., PENDLETON, MANCHESTER.**
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a very great Success.**

This is not surprising—BECAUSE

FIRST—They enable anyone to make for themselves at home or anywhere pure, freshly aerated mineral waters for about **one half of the price** they have to pay for waters of the same high quality ready made.

SECOND—The Syphons are purchased outright and remain the purchaser's own property. There is thus no fear of their harbouring microbes or other impurities.

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FOURTH—They relieve **the Trade** of all the trouble and loss of the ordinary Syphon trade.

FIFTH—They are being extensively advertised this year, and the number of enquiries received (all of which are referred to the Trade) proves that the public are interested.

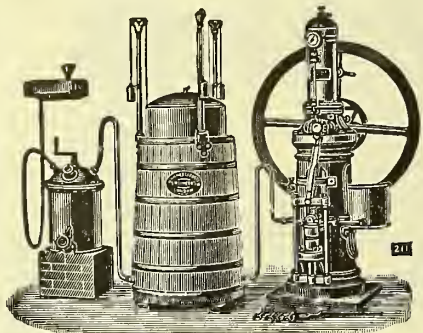
If **you** are not handling “Prana” Sparklets, you are missing a good thing. Let us send you particulars.

AERATORS, Ltd.

“Prana” Sparklet Works,

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THE BEST HOUSE IN THE WORLD for all requirements — of the — MINERAL WATER TRADE



THE "NIAGARA."

This type is fast superseding all other makes, and is used in the leading manufactories of the world.

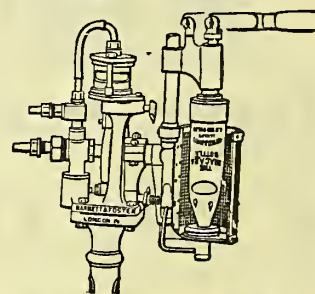
Size	Producing capacity per day	Price, with gas-making apparatus
X	100 dozen	£30
W	300	£45
U	450	£52
T	600	£70
S	1,200	£85
R	2,500	£135

Are all Fitted for Hand and Power.

NOTE.—We include all necessary Connecting Pipes free *without extra charge*, so that the machinery is ready for work upon arrival.

FOR LARGER SIZES SEE CATALOGUE.

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With Syrup Pump £9 9 0
Without Syrup Pump .. £7 7 0

FILLING MACHINE, for "Codd's Niagara" and all kinds of Internal Stoppered Bottles.

The Quickest and most reliable Filling Machine on the market. SYRUPS AND FILLS AT ONE OPERATION. No Waste.

THE "GALWAY."

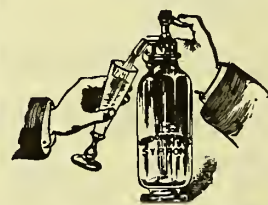


With Syrup Pump .. £10 10 0
Without Syrup Pump .. £5 5 0

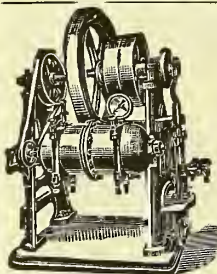
FILLING MACHINE FOR SYPHONS.

THE SIMPLEST OF ANY SYPHON FILLER YET INTRODUCED.

BALL-STOPPERED BOTTLES, SYPHONS,



AND CORK BOTTLES AT LOWEST RATES. Prices upon application.



THE "LILLIPUTIAN."

Complete with Gas-making Apparatus, all pipings and connections included.

No. 1 size, producing 600 dozen in 10 hours	.. ..	£62	0	0
No. 2 " " " 1,000 " " "	.. ..	£75	0	0

No. 1 is fitted for Hand Power; No. 2 for Motive Power.

THE "LANCASHIRE."

Complete with Gas-making Apparatus, all pipings and connections included.

No. 0 size producing 2,500 dozen in 10 hours	.. ..	£135	0	0
No. 1 " " " 1,500 " " "	.. ..	£131	0	0
No. 2 " " " 1,200 " " "	.. ..	£100	0	0

THE "COMPACT."

For Use with Compressed Carbonic Acid Gas.

In use by the leading Chemists, Hotels, Hospitals, and Public Institutions throughout the United Kingdom.

THE MOST SUCCESSFUL MACHINE OF THE TIMES THE PERFECTION OF SIMPLICITY. AUTOMATIC CARBONATION.

PRICES:

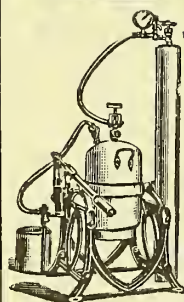
No. 1.—Capacity 1,200 dozen per day, including Filling Machines for Bottles and Syphons	.. ..	£80	0	0
No. 2.—Capacity 600 dozen per day, including Filling Machines for Bottles and Syphons	.. ..	£48	0	0
No. —Capacity 300 dozen per day, including Filling Machines for Bottles or Syphons	.. ..	£33	0	0

THE "CYLINDER" SODA WATER PLANT.

This is a Cheap Apparatus, designed for use with Compressed Carbonic Acid Gas, for serving Soda Water on the counter by means of a silver-plated counter stand.

PRICES FROM £15.

Specially suitable for Hotels, Chemists, Confectioners, Pastrycooks, &c.



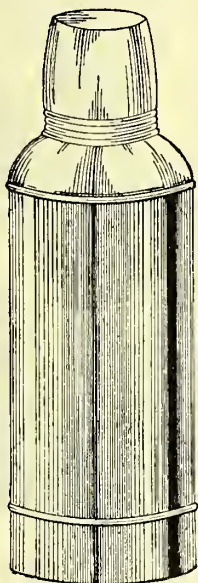
SPECIALITY: "RED CLUB BRAND" SOLUBLE ESSENCES.

Shipped in Bond. . . . Prices and Samples on application.

BARNETT & FOSTER, "Niagara Works," 26^r Eagle Wharf Road, London, N.

Branch House: Johannesburg, P.O. Box 1316; [Manager, Mr. CARL ALBERT.
Cape Town, P.O. Box 1391; Manager, Mr. F. G. INGRAM.] Stocks held.
Indian Agents: S. FITZE & CO., Ltd., Bombay, Calcutta, Karachi.

THE **THERMOS** FLASK—for Lactonised Milk.



THERMOS Flask not only keeps liquids steaming hot for 24 hours and cold liquids icy cold for days without fire or chemicals, but by testing and experiments by able Medical Men it has been proved to be the **easiest, simplest, and most effective** mode of producing Lactonised Milk. The *modus operandi* is as follows:—

Heat your milk to a temperature from 105° to 110°—
Pour into **THERMOS Flask** with one tablet of Lactic Acid and a spoonful of sugar. Allow the milk to stand from 10 to 12 or more hours, and perfect Lactonised Milk is the result.

This means MINIMUM trouble—MAXIMUM results

MEDICAL MEN ARE LARGELY RECOMMENDING THE FLASKS TO PATIENTS.

Prices from 21/- each PINTS and 31/6 each QUARTS.

They can be obtained of all **CHEMISTS and DRUGGISTS. JEWELLERS, SILVERSMITHS and STORES.**

Wholesale only: A. E. GUTMANN & CO., 8 Long Lane, London, E.C.

The
Gold
Medal
Wine
Tonic



London.
1908.

WINCARNIS

DO YOU Stock it? It means quick **YOU DO** sales and a steady profit if **DO**

SEND FOR LIST.

All Registered Chemists can sell Wincarnis with Quinine without a licence. Why not you?

Medical men in your district order it often, and there is a large public demand. [18]

By Special Appointment to the King & Queen of Spain.

COLEMAN & CO., LTD., 21 Wincarnis Works, NORWICH.

DISPENSING BOTTLES & PHIALS.

I. ISAACS & CO., Glass Bottle Manufacturers,
106 Midland Road, St. Pancras, London, N.W.

Beg to call attention to their **REDUCED PRICES.**
We make the New Shape, Oval Fronted Bottles. No extra charge.

FIRST QUALITY.

3 & 4	6 & 8	12	16 ounce.	} Round edges, plain or graduated, quinine tinted.
9/-	10/-	15/-	20/- per gross	

SECOND QUALITY.

3 & 4	6 & 8	12	16 ounce.	} Round edges, plain or graduated, clear blue tinted
7/6	8/6	12/-	18/- per gross	

PALM BOTTLES (reduced prices).

2	3	4	6	8 ounce
7/6	8/-	8/-	9/-	10/- per gross.

WHITE PHIALS—GOOD QUALITY.

1/2	1	1 1/2	2 ounce	} Plain or teaspoons.
3/6	4/-	4/6	5/6 per gross	

Six gross and upwards, assorted or otherwise, sent carriage paid to any address in the United Kingdom. Smaller quantities not carriage paid.

Established 50 years. Bankers: London and Westminster Bank

SAL HEPATICA.

PUT UP FOR EXPORT:

Small	size,	3 oz. bottle, in case.
Medium	"	7 " " "
Large	"	16 " " "

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E.C.

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INCREASED SYPHON SALES.

Any Chemist whose sales of Camwal Syphon Waters have fallen off, and who is disposed to make a determined push to retain and enlarge his business in this valuable Specialty, should write and ask the Company to specially co-operate with him for this purpose.

Valuable assistance can be given by "Camwal," if the Chemist, on his side, is willing also to co-operate.

"Camwal" welcomes any suggestion from Chemist-customers of a constructive and useful character for the purpose of increasing business.

Address the General Manager, Camwal Works, 112 Pembroke Street, London, N., or any Branch Manager.

"CAMWAL" Ltd.

LONDON MANCHESTER BIRMINGHAM
BRISTOL HARROGATE & MITCHAM.

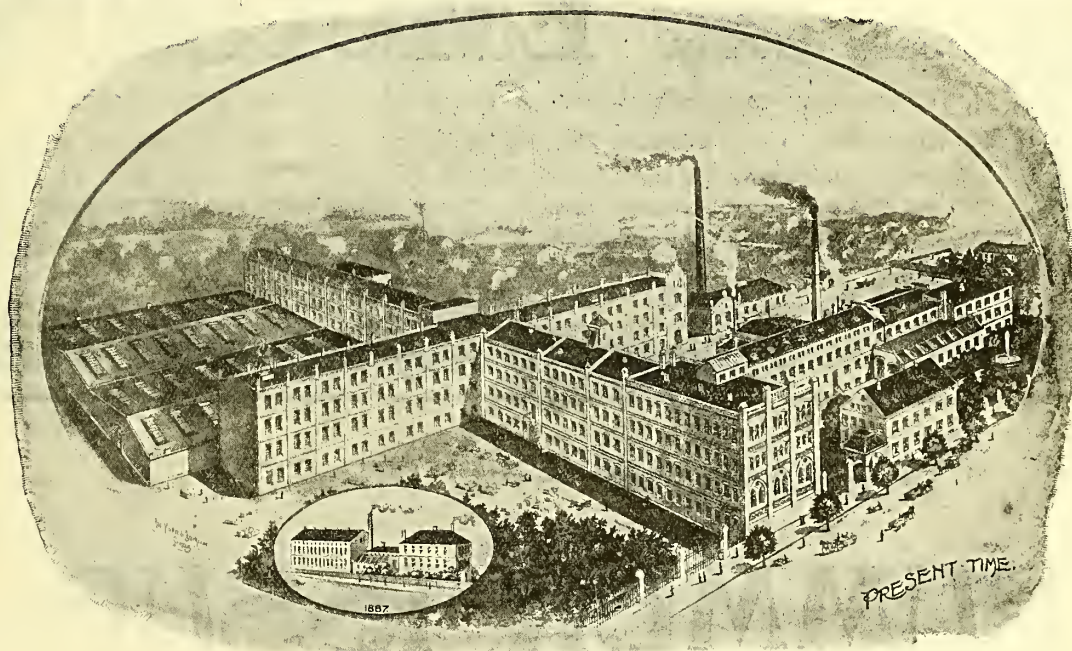
TRADE



MARK.

MANUFACTURERS OF

GOLD SPECTACLES & EYE-GLASSES



OPTICAL WORKS, RATHENOW.

WORLD-WIDE REPUTATION FOR QUALITY, FINISH, AND STYLES.

OUR METHODS OF MANUFACTURE ARE A
GUARANTEE OF THESE ESSENTIAL POINTS.

CATALOGUE SENT ON RECEIPT OF TRADE CARD.

NITSCHÉ & GÜNTHER,

Optical Works,

66 Hatton Garden, London, E.C.

ON THE P.A.T.A. LIST

☞ In consequence of extensive advertising in the best London and Provincial Journals, coupled with its magnificent and unvarying quality, and the further fact that it is widely and regularly prescribed by the medical profession

**SCOTT'S**☞ **Sells quickly.****EMULSION**

☞ All you have to do is to hand out the bottle and take in the money.

☞ More than that, people's experience of the first bottle prompts them to come to you again, so that every bottle sold promises the sale of more bottles. Once a customer, always a customer where Scott's is concerned.

Your stock will never be left long on your shelves—it is for you to see that you keep pace with the demand.

TRADE
MARK**SCOTT & BOWNE, Ltd. 10-11 Stonecutter Street, London, E.C.****“THE CHEMIST AND DRUGGIST”**

SUMMER ISSUE

AND JUBILEE NUMBER.

JULY 31, 1909.**PRICE LISTS AND CIRCULARS INSERTED.**

For terms apply to
THE PUBLISHER, 42 CANNON STREET, LONDON, E.C.



THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C.

SATURDAY, JUNE 19, 1909.

PUBLISHER'S NOTICE TO ADVERTISERS.

Advertisers are desired to take note that the advertisements of Businesses for Disposal and Wanted, Situations Open and Required, Exchange Column, &c., belong to the **PREPAID CLASS**, and to ensure the due insertion of the **announcements the remittances must accompany the instructions**. A great amount of unnecessary correspondence is occasioned by the non-observance of this regulation, and the Publisher hopes that the advertisers will assist in the quick preparation and despatch of the Supplement by strictly observing this rule. Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week.

A Copy of this Supplement is inserted in every Number issued of "The Chemist and Druggist."

You get what you want by advertising in this Supplement.

IT PAYS TO PAY FOR ADVERTISING HEREIN.

CHEMISTS' TRANSFERS.

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

1.—SOUTH LONDON.—Very old-established Business; same family 70 years; returns last year £922; *net profit* £250 (about); several good Proprietaries; good opening for Dentistry, Photographic, and Optical; double-fronted shop; main thoroughfare; full investigation invited; widow will accept any reasonable offer.

2.—LONDON, S.E. (Residential Suburb).—Good middle-class Business; Retail, Dispensing, and Photographic; established 50 years; returns last year £700; *net profit* £245; large shop, fitted in mahogany; commanding window; comfortable house; pleasant garden; stable and coach-house; held on lease; valuation, about £350.

3.—CRYSTAL PALACE (near).—Ready-money Business; Retail, Prescribing, and Dispensing; returns £520; scope for development; good house and garden; side entrance; no near opposition; price £175.

4.—NORWOOD.—Retail, Dispensing, and Photographic trade; established 1841; returns last year £600; *net profit* £254, full prices being obtained except for Patents; roomy house, with garden and fruit trees; rent £36 yearly; price £400.

5.—LONDON, N.W. (Residential Locality).—Retail and Dispensing Business; held by vendor 30 years; now retiring; gross returns average £500 per annum; *net profit* £160; well-appointed shop; corner position; 8-roomed house; private entrance; price £250.

6.—LONDON, S.W. (Shopping Locality).—Retail and Dispensing Business; very old-established; returns average between £1,200 and £1,300 per annum; *net profit* about one-third; intending investors with £1,050 at command will find this a sound investment.

7.—LONDON (within easy distance of).—Favourite residential locality; good-class Business; Retail and Dispensing; returns £1,500

yearly; *profit (net)* about 25 per cent.; modern-fitted shop; excellent residence; price £900, or valuation terms entertained.

8.—SUSSEX (Health Resort).—Modern Pharmacy; central situation; returns between £1,100 and £1,200 yearly; *net profit* about 25 per cent.; full investigation invited; terms, lease and goodwill £60, stock and fixtures at valuation; part could remain if desired.

9.—CAMBRIDGE (near).—Unopposed Business; returns last year £1,113; *net profit* about 25 per cent.; well-fitted shop; good house and garden; held on lease; early sale desired; price £450; worth attention.

10.—CORNWALL (Market Town).—Retail and Dispensing Business; all good-class trading; returns exceed £1,400 yearly; scope for development; terms, lease and goodwill £50, stock and fixtures at valuation.

11.—YORKS.—Mixed Business; no qualified opposition; returns between £650 and £700 per annum; commodious residence with garden attached; price £235.

12.—NORTH WALES.—Illness cause of sale; good-class Business; Retail, Dispensing, and Agricultural; held by vendor 30 years; returns between £600 and £700 yearly; well-appointed house; small garden; further details on application.

13.—SOUTH WALES (Health Resort).—Good-class Business; position unique; returns between £2,200 and £2,500 per annum, increasing; *gross profit* 50 per cent. (proof given); modern-fitted shop; fully stocked; above the average; price £2,000.

14.—EAST COAST.—Ready-money Business; Retail and Prescribing; returns £520; small residence; rent £25 yearly; lease if desired; price £150.

Particulars of any of the above will be furnished on application.

N.B.—NO CHARGE TO PURCHASERS.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasise the necessity of a Periodical Statement of Account, by which means alone Profit, the value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of confusion and loss.

Messrs. O. & Co. are prepared to undertake these essential duties, and will make Special Terms for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

BRETT & CO.

VALUERS,

8 WEST ST., LEICESTER.

Telegrams, "Brett Leicester." Telephone 160 Y.

VALUATIONS have always had our special and personal attention, and an experience of thirty years is at your disposal.

AGENCY.—We have always a large number of *Buyers* on our books, and we can frequently find a Purchaser at once. We also have a *Private Register* for vendors who are in no hurry to sell, and who do not wish their businesses to be advertised.

STOCKTAKING SPECIALISTS to the Entire DRUG TRADE

SOUTH COAST.—Good General Retail Drug Stores; returning £1,200, as branch; net profit £290; price £60 and valuation (about £500); under principal capable of being greatly increased; an excellent opportunity.

CAMBS.—Unopposed Mixed General Country Retail and Agricultural; exceptionally good shop, house; and premises; old-established; low rent; returns £1,100; profitable; to effect a quick sale will accept the low price of £450; chance of a lifetime.

LANCS.—High-class General Retail, good Prescribing, and excellent Proprietaries; in fine position of popular seaside resort; old-established; returns over £1,000; price £100 and stock and fixtures at valuation.

YORKS.—Good Country Mixed Retail, Prescribing, and Photo; excellent shop and premises; garden; old established; returns nearly £700; profitable; price only £230; no qualified opposition.

YORKS.—Very good Mixed Country Retail, which can easily be greatly increased by qualified man; good shop and house; returns over £520; price £250; grand opportunity.

WORCESTERSHIRE.—Splendid Light Retail, with Photo and very valuable Proprietaries, in good business district; good shop, and nicely fitted; old established; returns £500; price £350, or valuation; this is a fine chance to acquire a real genuine concern.

DERBYSHIRE.—Good-class Light Retail and Dispensing in inland health resort; now under manager, and doing £750 per annum; capable of being increased very quickly to £1,000; valuation, about £700; an excellent concern.

ESSEX.—Very nice Retail, Dispensing, and Prescribing; grand opening for Photo and Optics; good Proprietaries; nice, well-fitted shop and convenient house; low rent; returns nearly £500; excellent profits; price £260; splendid concern and very little opposition; only wants seeing; healthy district.

LONDON, N.—Dispensing, Prescribing, and Light Retail, Photo and good Specialities; comfortable house and garden; returns £600; price £250; very profitable; stock, etc., worth £350; a bargain.

PARSON C. BAKER

174 VICTORIA ST., LONDON, S.W.

Recommended by—MESSRS. BARRON, HARVEYS & CO.

Telephone: MESSRS. MEGGESON & CO.
No. 27 Victoria. MESSRS. BARCLAY & SON, LTD.

IN beautiful country district, 30 miles out, unopposed good-class Retail and Family trade; returning £750 at full prices; net profits £300 year; full investigation and proof; good house; large garden; rent £50; price £550 or near offer.

SOUTH COAST.—First-class Family and Dispensing Business; some Photographic; average returns last 3 years £1,400; double-fronted shop; good house; private entrance.

LONDON, W.—Death Vacancy.—Old-established Retail in good neighbourhood; been much neglected; nice corner shop; well fitted and stocked; rent £70, on lease; all let off, leaving shop and 4 rooms rent free; price £450; from £1,000 to £1,500 can easily be done here.

THIRTY miles out; good-class Dispensing and Retail; centre of excellent market town; returns £800; net profit £300; good opening for Dentistry; superior house; private entrance and garden; valuation of stock and fixtures.

BATTERSEA.—Death Vacancy.—Recommended; will double itself directly; position excellent; wants younger and up-to-date management; price, value of stock and fixtures only, say £250.

FREDK. WM. SMITH,

LICENSED 'CHEMISTS' VALUER.

Valuations for transfer of business, Probate, &c. Businesses for disposal. Stocks and Fixtures purchased to any amount for cash. Stocktakings undertaken. A Register kept of Assistants and Chemists requiring Assistants; no charge made.

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TELEPHONE 02949.

TOM TOM

Telegraphic Address.

THOS. TOMLINSON & SON.

Chemists' Valuers and Expert Stocktakers.

Businesses transferred privately.

29 NEW CANNON STREET, MANCHESTER.

MESSRS. BERDOE & FISH,

Chemists' Valuers and Transfer Agents,

35 JEWRY STREET, FENCHURCH STREET, CITY.

TELEPHONE: 1809 CENTRAL.

Have the following Businesses for Disposal. (No charge to Purchasers.)

1.—MANCHESTER (near).—First-class Retail Business, with good Photographic connection; returns average over £1,750; net profit £345; splendid position; owner retiring; price £1,250.

2.—LANCS (Popular Seaside Town).—High-class Cash Retail; central position; returns £1,050; good profits; price £250 and valuation.

3.—SOUTH COAST.—Good-class Retail; under manager; returns £1,200; good position; price only £500.

4.—SUSSEX (Market Town).—Good-class Country Retail; returns about £850; very good position; commodious premises; price £500.

5.—MAIDENHEAD (near).—High-class Country Retail; charmingly situated; returns £600; profits £250; very best position; stands to do £1,000; price about £500; part can remain.

6.—HERTS (Market Town).—Good-class Retail; neglected; returns £800; can be much increased; valuation only required.

7.—DERBYSHIRE (Small Town).—Mixed Country Retail; returns £850; best position; price for quick sale £375, or near offer.

8.—SHEFFIELD (near).—Light Retail and Prescribing; few Patents; returns £14 weekly; growing district; no opposition; price £200.

9.—KENT.—Unopposed Light Country Retail; returns £800; net profit £300; easily worked; price £535.

10.—LONDON, S.E.—High-class suburban Retail; returns £950; handsome shop, fully stocked; price £800; strongly recommended.

11.—VICTORIA STATION (near).—First-class Retail; returns over £1,250; net profit £439; splendid position; price £1,000.

12.—LONDON, N.W.—Good-class Retail and Dispensing; returns £750 to £800; scope for increase; net profit £200; price £350, or offer.

13.—CHESHIRE (Seaside Resort).—Light Retail, Dispensing, and Prescribing, with own Specialities; returns £800; net profit £276; excellent position; good house; price £450, simply valuation.

14.—N. WALES (Health Resort).—Good-class Retail and Dispensing; splendid position; returns £870; net profit £290; price £650.

15.—YORKS (Death Vacancy).—General Mixed Retail Business; neglected; returns over £1,000; price for quick sale about £250.

16.—GLOUCS.—Old-established Light Country Retail; returns nearly £500; net profit about £200; large house and garden; low rent; no opposition; price £400.

17.—LIVERPOOL.—Profitable Light Retail and Prescribing; returns under manager £650; good position; price £275.

18.—KENT COAST.—Light Family Retail and Dispensing; returns £900; net profit £230; central position; price £500, or valuation.

19.—SURREY.—Unopposed good-class Village Business; returns over £500 under manager; low rent; well stocked; price £250.

20.—LANCS.—Several small Businesses for Disposal; suit unqualified or qualified; prices from £100 to £300.

21.—LONDON (Northern Heights).—Good-class Retail and Dispensing; returns over £1,900; elegantly fitted; splendid stock; price £1,250; personally inspected.

22.—CRYSTAL PALACE District.—Good-class Retail and Dispensing; returns £700, increasing; good house, garden, etc.; price £250.

23.—LONDON SUBURB.—Cash Retail and Prescribing, in good-class district; returns £520, increasing; price £175.

INTENDING VENDORS.

Messrs. BERDOE & FISH have at the present moment several genuine purchasers anxious to secure businesses showing anything from 300% to 600% net profit yearly. Correspondence cordially invited. Strictest privacy guaranteed.

J. G. BERDOE established the firm in 1870, and W. S. FISH was apprenticed to him in 1877.

TO TRUSTEES, EXECUTORS AND OTHERS.**Stocks Sold or Purchased for Cash.****FRYER, COOPER & CO.**

3 Redcross St., Fore St., E.C.

Chemists' Auctioneers and Valuers.

Goods realised on Vendors' a/c or Stocks purchased for immediate Cash. Distance no object. Money advanced if desired.

We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents, or assistants, or wish to sell their businesses, an advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.

BUSINESSES FOR DISPOSAL.

3s. 6d. for 50 words or less; 6d. for every 10 words beyond, prepaid.

NOTE.—Replies can be addressed to this Office and forwarded to the Advertiser for an Additional charge of 6d.**COLONIAL BUSINESSES.**

We call the special attention of our Colonial subscribers to the opportunity this Supplement affords when they wish to dispose of their Businesses, of getting into touch with likely buyers either at home or in the Colonies.

Replies to Advertisements may be addressed to this Office and forwarded to the Advertiser for an additional charge of 6d.

Trade circulars and samples can in no case be forwarded.

CHEL TENHAM (Inland Health Resort and Educational Town).—For Disposal, good-class Light Retail, Proprietary, Dispensing, and Photographic Business; in central position; modern mahogany mirrored fittings; York glass recessed labelled bottles; gas and electric light; good house, containing dining- and dental-room on ground floor, drawing-room, bath (h. and c.), 5 bedrooms; perfect sanitation; convenient domestic arrangements; private door; price about £750; proprietor wishes to retire from Chemist business after 32 years. Apply, Arthur Hill, Chemist and Dentist, 98 High Street, Cheltenham.

CITY OF LONDON.—Small but sound Business, improving, in principal street; handsomely fitted; good stock, soda-fountain; long lease; moderate rent; any reasonable offer entertained. Apply, "Statim" (90/2), Office of this Paper.

DEVON (in pleasant Market Town).—Good-class Country Retail Business for immediate Disposal; returns about £1,000; net profit nearly £350; good house and garden; low rent; attractive Pharmacy; heavily stocked; price about £850, or valuation; £300 could remain if desired; only requires seeing. Address, "Devonia" (90/21), Office of this Paper.

GLOUCESTERSHIRE (Manufacturing District).—Old-established Retail, Dispensing, and Prescribing Business for Sale; returns between £400 and £500; good profits; low rent; advertiser is buying larger business and will accept the first reasonable offer; full investigation invited. Particulars from "Antim" (88/28), Office of this Paper.

KENT.—£180; unopposed Market Village Business; old established; doing a good Proprietary trade; with large scope for increase and Side-lines; large house, garden, stable, and coach-house; rent and rates £40; owner giving up Drugs. "Kent" (87/6), Office of this Paper.

LIVERPOOL.—An old-established Business successfully carried on by the late James Woodend for over 50 years for immediate Disposal; no reasonable offer refused. 22 Pitt Street, Liverpool.

LIVERPOOL, SOUTH END.—Chemist's.—Rare opportunity; Family Business; in good residential district; average rentals £20 to £30 per annum; established over 20 years; occupier taking larger premises 10 miles away; excellent house attached; splendid opening for Dentist; rent £50 per annum; vacant July 1. Apply, 220 West Derby Road, Liverpool.

LIVERPOOL DISTRICT.—Neat, compact Chemist's Cash Business for immediate Disposal; well fitted and stocked; taking £350 yearly, and scope for increase; good house attached; low rent; part purchase can remain. All applications in confidence to 86/32, Office of this Paper.

LIVERPOOL.—Genuine Business for Disposal in thickly populated district; good opening for Dentistry and Optics; large house attached; rent £26; returns £400, which could easily be doubled with qualified man; very few Patents; health breakdown cause of sale; full particulars given to bona fide purchasers. Apply, 79/48, Office of this Paper.

LONDON Suburb (South).—Well-established Business; General Retail, and Dispensing; returns last year £900; 5 years since the turnover was £5,000 per annum; excellent position in leading thoroughfare; attractive shop, double-fronted; full investigation courted; valuation terms entertained; ill-health cause of sale. Apply, 78/18, Office of this Paper.

LONDON, S.E.—Retail and Prescribing Business; established by vendor 14 years since; thickly populated neighbourhood; capital opening for a young, energetic man; no immediate opposition; to effect a speedy transfer the sum of £75 will be accepted. Apply, 78/180, Office of this Paper.

LONDON, N. (few miles out).—Light ready-money Retail and Prescribing Business, returning under management £14 weekly; net profit £200; very low rent; modern-fitted shop; attractive appearance and well stocked; good reason for selling; price £375, or would accept bare valuation of stock and fixtures. "Painin" (90/02L), Office of this Paper.

LONDON (Busy Marketing Thoroughfare).—Old-established, lucrative Business for Sale; returns last year £600, at over half profit; scope for increase; large house; rent moderate; an appointment produces an additional £200 per year; an excellent opportunity; satisfactory reasons for disposal; price £450 (about). Apply, 90/28, Office of this Paper.

LONDON Suburb.—High-class Light Retail, Dispensing, and Photographic Business in main thoroughfare; shop handsomely fitted and well stocked; good opening for Optics; price, valuation of stock and fixtures (about £400); fullest investigation invited to genuine buyer; references required; no agents. "Confidential" (74/6), Office of this Paper.

MIDLANDS (Health Resort).—Death Vacancy.—Good-class Retail, Dispensing, Photographic, and Optical Business in main thoroughfare; shop handsomely fitted and fully stocked; returns £600; price £350, or valuation of stock and fixtures (about £350); full investigation invited. Apply, 78/018, Office of this Paper.

NEAR MANCHESTER.—Well-established, nicely-fitted and stocked Light Retail Business; in good district, rapidly increasing; returns about £400; could be greatly increased; few Patents; no bad stock; no opposition; price, valuation stock and fixtures (about £230), or near offer; splendid opening for Side-lines, Optics, etc. 89/17, Office of this Paper.

SCOTLAND.—Genuine established Dispensing, Prescribing, Agricultural, Photographic, Optical, and General Retail Business for Sale; Dentistry as a side-line, which pays rent; average turnover last 5 years £750; rent moderate; lease; well-fitted shop, with ample storage accommodation. Full particulars from "Genuine" (81/38), Office of this Paper.

SEAPORT (LINCS).—Genuine Family, Retail, and Prescribing Business for immediate Disposal; old established; good position in main thoroughfare; good house and warehouse accommodation; this is an exceptional opportunity to purchase a real profitable business, with many good selling Proprietaries; cash price about £350. "Statim" (88/20), Office of this Paper.

SHEFFIELD (near).—Light Cash Retail and Prescribing; good prices; main road; managed by lady; good house, well decorated and comfortable; capable of doing a big business; genuine bargain; suit beginner or elderly person; price £85. Brett & Co., Chemists' Valuers and Transfer Agents, 8 West Street, Leicester.

SOUTH LONDON.—Established Business, Retail and Prescribing, carried on by widow (under management) for many years; returns average £953, which produce a net income of £248 (proof given); immediate sale desired; valuation terms entertained. Apply, 78/108, Office of this Paper.

BUSINESSES FOR DISPOSAL

(continued.)

SOUTHPORT.—Retail Chemist's Business; recently established; Esstank Street (leading thoroughfare); £125 to immediate purchaser, less than value of stock and fixtures; exceptional chance for man with small capital and up-to-date Store experience; good opening for Dentistry; satisfactory reason for disposal. Full particulars from Smith, 64 Manchester Road, Southport.

VALLEY OF THAMES.—Pleasant locality; genuine unopposed Retail and Photographic Business; nearly £6 week, increasing; profitable Proprietaries; well-fitted shop; convenient house, bath (h. and c.), cellar; good garden, with fruit trees; low rent; price £225 or near offer; reference. "Kronenquelle" (86/36), Office of this Paper.

WEST OF ENGLAND.—Good-class Country Business in small market town; old-fashioned prices; few Patents, at full prices; net profit fully half; no side-lines or heavy trade; ample scope for increase; small house and garden; net profit £300; price £475; a very exceptional chance, as nearest opposition is 8 miles. 83/19, Office of this Paper.

WEST KENT.—Sound, old-established Light Retail, Prescribing; only Chemist's shop in small country town; exceptionally profitable; convenient 10-roomed house; large garden; to sell by June 24 will accept extremely low price of £475, which is only about 1½ year's net profit. Full particulars to bona-fide purchasers only. 88/40, Office of this Paper.

YORKSHIRE (West Riding).—For immediate Disposal, old-established Chemist's Business; prominent corner position in populous district; owner dead; returns £900; price £250. 85/17, Office of this Paper.

YORKSHIRE.—Old-established Business in pleasant village; Wine and Spirit Licence (free); returns £900; good house, with every convenience; large garden and greenhouse; open view; splendid opening for Dentistry and Optics; rent £35; price £450. Apply, Hirst, Brooke & Hirst, Ltd., Leeds.

A N old-established, full-price Cash Retail, in first-class position, near large terminal London station; full particulars to purchasers having command of about £1,500. Apply, "Business" (78/47), Office of this Paper.

BUSINESSES for Sale by private treaty; Southall Bros. & Barclay, Ltd., Valuation and Transfer Department, Lower Priory, Birmingham; bona fide purchasers are requested to forward particulars of their requirements; Businesses for Sale West of England, Midlands, Yorkshire, etc.

CENTRAL Drug-stores, Cleator Moor.—A Mixed Business, including Oils, Paints, etc.; best position in town; open 6 years; takings £517, £617, £709, £720, £837, £830 respectively under unqualified management; Chemist would do more; lock-up shop; rent 5s. 6d. weekly, clear; large shop in connection with residence used as a warehouse; rent 7s. 6d., clear; house would let for 6s. weekly; all books shown; net profit about £250 per year; price for cash and quick sale, valuation (about £330). Watson.

CHEMIST and Drysaltery Business; established half a century; doing now £500 a year; could easily be doubled; must be sold through ill-health of proprietor. Write, 30 Mildred Street, Lower Broughton, Manchester.

CHEMIST and Wine Business for Sale owing to death of proprietor; established 20 years; good Family Drug Business; splendid Business for an energetic person. For further particulars apply to A. Hall, 123 Chillingham Road, Heaton, Newcastle-on-Tyne.

COUNTRY Business for Sale; South Yorks; returns average £675; full prices; few Patents; opening for Dentistry and Optics; good premises; large house and garden; rent £55; established 33 years; price £250, or a near offer. Apply, "Pharmacist" (78/32), Office of this Paper.

DISPENSING and Photographic Business in Midlands doing £15 per week; good corner shop and house in main street; few Patents; well stocked; price £500. "H. H." (81/16), Office of this Paper.

FIRST-CLASS Retail and Dispensing Business, within 30 miles South of London, on main line; returns approach £1,300; no Store competition; net profit £434 (proof given); modern Pharmacy, handsomely fitted and well stocked; splendid position; good residence attached; price £1,200; valuation terms entertained if preferred. "H. H." (90/201), Office of this Paper.

GENUINE Bargain.—Sound Country Business; returns £820; cash price £350, or reasonable offer; must sell owing to ill-health; full particulars given and every investigation allowed to intending purchaser. Apply to A. Chisholm, Killamarsh, near Sheffield.

HEALTH Resort, county town and yachting station (North Wales); high-class old-established Dispensing, Optical, and Retail; excellent and annually increasing connection; only one opposition in town (unqualified) and for a distance of several miles; owner leaving country; low price to dispose before summer season; good premises; low rent. "Alpha" (84/19), Office of this Paper.

MEDICAL HALL (Belfast) for Sale; Dispensing and Retail Cash trade; leading thoroughfare; 32 years established; Medical patronage; owner retiring; splendid opening for young man. Apply, Macfarlane, 133 Royal Avenue, Belfast.

MUST be Sold owing to ill-health of vendor; small profitable Business in main road; splendid opportunity for energetic man; near works employing a thousand men; low rent; let off £14; price, including stock, fixtures, glass cases, window-enclosure, carboys, etc., £60, or nearest first offer. "Business," 42 Dunbar Road, Forest Gate, E.

MUST be Sold owing to ill-health of vendor; small profitable Business in main road; splendid opportunity for energetic man; low rent; price, including stock, mahogany fixtures, counter-cases, etc., £100, or for valuation stock and fixtures. Moore, Chemist, New Southgate. This advertisement will not appear again.

OLD-ESTABLISHED Business; splendid corner position, main street, favourite S. suburb; suit Store or pushing man; good house; part could be let. Apply for particulars, 87/7, Office of this Paper.

TO effect immediate Sale will accept £220 or best offer cash; doing over £320 per annum; good scope for increase; Patents practically nil; rent and taxes £28 per annum; stock and fittings about £200; party going abroad on account of health. Dawson, Chemist, Inverness, N.B.

£250.—Must be Sold at once; the smartest little Pharmacy in London; main road; rent £40, on lease; large shop and basement; owner entering another profession; no agents. Only genuine buyers need apply, 90/8, Office of this Paper.

£250.—Immediate Sale; genuine West-end Business; nicely fitted Pharmacy; busy street; theatres, restaurants, hotels close by; rent £75, no rates or taxes; premises: shop, parlour (let to West-end Doctor), stockroom, cellar; all Prescribing, including Dentistry and Optics; Patents nil; selling through illness. "S." (90/26), Office of this Paper.

SALES BY AUCTION.

LEOMINSTER.

Desirable and exceptionally well-situated Business Premises, No. 2 High Street, Leominster.

TO BE SOLD BY AUCTION by Messrs. A. & D. Edwards, at The Royal Oak Hotel, Leominster, on FRIDAY, June 25, 1909, at 3.30 p.m. punctually, subject to Conditions of Sale.

A MESSAGE SHOP and PREMISES, No. 2 High Street, Leominster, adjoining the Town Hall, and having a frontage of 22 ft. 8 in. to High Street, with a depth of 75 ft. 6 in., with large and convenient Warehouses and Cellars.

The Premises are now in the occupation of Mr. R. B. Sandiland, Chemist and Druggist, under a lease which expires on September 29, 1910, at the annual rent of £50. These premises have for upwards of 50 years been used in this business.

The Town Council of Leominster are the owners of the Vault which opens from High Street, and the Coal Cellar at the rear thereof, and they are now occupied with the above premises, at a yearly rental of £2, which is paid by the Vendor.

Further particulars may be had of the Auctioneers, Corn Exchange Offices, Leominster, or of Messrs. Lloyd & Son, Solicitors, Leominster.

16 PARK STREET, STOCKPORT.
MONDAY, JUNE 21.

JOHN BATEMAN, under instructions from Mr. Goodwin, will SELL BY AUCTION the STOCK-IN-TRADE, FIXTURES, and TRADE UTENSILS of an old-established Herbalist, consisting of Herbs, Roots, Barks, Extracts, Essences, etc., Enterprise drug-mill, Enterprise tincture-press, coffee-mill, stock canisters, 20 doz. gold-labelled stoppered bottles, counters, 3 nests containing 175 drawers, showcases, glazed cupboard, etc.

Sale at 2 o'clock.
For further particulars apply to the Auctioneer, 26 St. Petersgate, Stockport.

TO LET.

SOUTH KENSINGTON (main road).—One or two unusually attractive Shops, commanding position in busy shopping centre, to be Let; suitable for Chemist. Apply on premises, 133 Coleherne Court, Old Brompton Road, S.W.

A SHOP in best position in a favourable seaside resort in North Wales, to be Let at moderate rent, where there is a specially good opening for a Chemist, where there is none at present. Apply, "A. P." (76/38), Office of this Paper.

LOCK-UP Shop to Let; fitted complete; modern front; splendid position in main thoroughfare of important town; good shopping centre; good opening for Chemist and Fancy; no other Chemist shop in road or near; nominal rent to applicant in this business. For full particulars apply, 86/3, Office of this Paper.

AGENCIES.

WANTED to appoint special Agents for "Kensforyl," Baily's Peculiar Lavender Water; terms very advantageous. Apply, J. Baily & Co., Chemists, Margate.

PARTNERSHIPS.

A LIMITED Company doing business with Medical men is open to receive proposals from a tactful and business-like Chemist with view to acquiring Directorship by purchase of shares; this opportunity arises on account of probable retirement of director. State capital available, age, and if experienced in calling upon Doctors, to "W. H. J." (77/54), Office of this Paper.


QUALIFIED man wanted as Partner in Wholesale business with Retail attached; Manchester district; present turnover (Retail under management) £1,500; capable of increase; large Surgical Appliance and Optical trade and undeniable opening for Dentistry; excellent opportunity for a young man who is a good salesman with energy and capital; fullest investigation granted and expected. Address, "Chemicus," c/o Coventry Traders' Association, Coventry.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words beyond, prepaid.

RESULTS
OF ADVERTISING IN THIS SUPPLEMENT
LAST WEEK *June 12 1909*

NATURE OF ADVT.	REPLIES
DISPENSER	32
MANAGER	32
UNQUAL. MANAGER	31
CLERK	27
MAN	14
QUAL. MANAGER	13



This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of advertisers who use a number or nom de plume.

RETAIL.

BATH.—Davies & John, Chemists, require, immediately, the services of a young qualified Assistant to keep stock and assist in Dispensing; first-class experience and references essential. Applicants will please give full particulars and salary required.

FOR SALE.

PLATE-GLASS SHELVES for Window, good Second-hand.—1 set 3 ft. long, with standards and brackets, 30s.; 1 set of ditto, 4 ft. long, ditto, 42s.; 1 set of ditto, 5 ft. long, ditto, 55s.; 1 set of ditto, 6 ft. long, ditto, 63s.; 1 4 ft. 6 in. Bent Front Counter Case, 75s.; 1 6 ft. Dispensing Screen with mirror centre, 44 10s.; 120 Recess Label Rounds, 48 10s.; 12 doz. Gold-labelled Rounds, 45 15s.; 12 3-lb. Blue Recess-labelled Ointment Jars, 48s. R. Tomlinson & Sons, Bond Street, Birmingham.

BUSINESSES WANTED.

ADVERTISER wishes to Purchase small Business for £150 cash; neglected one not objected to if capable of improvement; near London preferred; must have good window, and decently fitted inside. Please state fullest particulars to "Pharmacist" (90/27), Office of this Paper.

ADVERTISER wishes to Purchase a small Business; no objection to branch or neglected business where there is scope; no Dental work. 91/7, Office of this Paper.

WANTED, at once, a good Dispensing Business; net profit about £250; Cumberland or Westmorland districts preferred; also Business with net profit £350; South or West Midlands; cash ready to invest; no publicity; strictest privacy guaranteed. Brett & Co., Chemists' Valuers and Transfer Agents, 8 West Street, Leicester.

WANTED, sound Retail Business in nice locality: Seaside or inland watering-place preferred; net profit not less than £300; cash ready. Supply full particulars to avoid unnecessary correspondence, 88/23, Office of this Paper.

WANTED, Cash Drug Business; qualification not essential; capital about £200. 84/24, Office of this Paper.

A MEDICAL man would pay a premium for information, if acted upon, as to a good opening for practising Dentistry; pleasant neighbourhood and educational facilities essential. 90/18, Office of this Paper.

Replies to Advertisements may be addressed to this Office and forwarded to the Advertiser for an additional charge of 6d. Trade circulars and samples can in no case be forwarded.

BEDFORD.—Outdoors; Junior Assistant; must be good Counter-man, reliable Dispenser, and gentlemanly; half-day holiday a week; a comfortable place to a suitable Assistant. Apply, Wyatt, Chemist, 31 Tavistock Street, Bedford.

BIRMINGHAM.—Qualified Assistant; able to take charge of branch; must be accustomed to good-class trade; good Counter-man, Dispenser, and Window-dresser. Apply, giving full particulars of age, height, salary required (outdoors), etc., to Hedges & Son, Pharmacists, Birmingham.

BOMBAY.—Wanted, qualified Assistant, under 25 years of age; passage P. & O. paid out and home; salary first year £172, second year £192, third year £212 per annum; 3 years' agreement certain. Apply, with photo and copy testimonials, to "R. L.," c/o S. Maw, Son & Sons, 7 to 12 Aldersgate Street, E.C.

BOURNEMOUTH.—Smart Junior (outdoors) in good-class Dispensing business; with knowledge of Homoeopathy preferred. Apply, giving full particulars, to Gilbert & Hall, Bournemouth.

BRADFORD.—Qualified Manager wanted; one accustomed to Store trade and pushing own Specialities; good house attached. State age, salary, and experience to J. Savage & Co., Ltd., Chemists, Bradford.

BRADFORD.—Junior or Improver for Light Retail; Extractor preferred. Apply, with full particulars, salary required (outdoors), photo, J. Stanley, 2 Gaythorne Road, Bradford, Yorks.

SITUATIONS OPEN *(continued.)*

BRIDLINGTON.—For the season (about 12 weeks), an Assistant; about the age of 25; qualified preferred, but not essential; outdoors. Please give height, salary required, and the usual particulars and references, H. J. Jackson, Chemist, Bridlington.

BRISTOL.—Branch Manager; married; live on premises; qualified; experienced; accustomed to brisk trade; satisfactory references required. State age, height, salary, and the usual photo to Managing Director, Hodder & Co., Ltd., 5 Nelson Street, Bristol.

CALCUTTA.—Wanted, qualified Assistant for Calcutta; passage paid out and home. For particulars apply to 58/7, Office of this Paper.

CHESTER.—Wanted, qualified Junior; good Dispensing experience. Apply, stating age, height, experience, and salary (indoors), with photo, to Thos. Carter, Pharmaceutical Chemist, Boughton, Chester.

CITY.—Wanted, at once, young Junior Assistant; outdoors; no Sunday or night duty. Apply, "X. Y. Z.," Ranahan, Fitzjohn's Avenue, Barnet, Herts.

CLEVEDON.—Reliable Assistant in high-class Dispensing business; previous experience in Dispensing essential; indoors. Full particulars as to age, height, experience, salary required, and enclose photo (which shall be returned), J. H. Shepherd, Pharmaceutical Chemist, 16 Hill Road, Clevedon.

EASTBOURNE.—Unqualified Assistant, about 24, from July 5 till September 25; outdoors. Veale, 45 Seaside Road, Eastbourne.

EXETER.—Messrs. Broom, Reid & Co. require Assistant (about 23) as Dispenser; outdoors; must have had previous experience in first-class Dispensing establishment and be of good address. State all particulars, salary required, and enclose photo, to Mr. Harris, 2 Queen Street.

FULHAM, S.W.—Qualified Manager, to live on premises, for working-class Retail. Personal application preferred, or, if by letter, state age, married or single, experience, and references and salary required, to C. Bunker, 30 York Street, Twickenham.

GLOUCESTER.—Reliable "Locum" wanted for the first fortnight in August. L. T. Cooke, Chemist, 35 Northgate Street, Gloucester.

GRANGE-OVER-SANDS.—Wanted, early in July, Assistant for season; accustomed to Dispensing, Photography, and General Retail. State full particulars of qualification, with salary (outdoors), to A. W. Hankinson, Chemist, Grange-over-Sands.

GORLESTON-ON-SEA.—A Junior Assistant, outdoors, for July and August; a good Salesman and knowledge of Photographic business preferred; must have satisfactory references. Photo, Veables, Pharmacist, Gorleston.

HULL.—Qualified Manager, married preferred, abstainer, to take sole charge of a Branch in working-class district; to live on the premises; rent, rates, and gas free. Apply, with full particulars, F. E. Lambert, 143 Anlaby Road, Hull.

LANCASTER.—Junior Assistant; qualified (or about to be); accustomed to Mixed Country trade; outdoors; state all usual particulars, with reference. Apply to Wm. Arkle, 13 Penny Street, Lancaster.

LEICESTER.—At once, smart qualified Manager for neglected Branch; energetic and reliable; please give full particulars as to salary required (house and gas free), references, and experiences in first letter. Apply, 88/12, Office of this Paper.

LIVERPOOL.—Qualified Branch Manager wanted, immediately, for General Retail Cash business; permanency for suitable man. Applicants please state age and salary required, together with references, 86/302, Office of this Paper.

LONDON, S.W.—Dispenser required; qualified, Minor exam.; outdoors; usual hours, 9 to 7; high-class Dispensing. Apply, by letter, stating experience and salary expected, "Chemist," Civil Service Co-operative Society, Ltd., 28 Haymarket, S.W.

LONDON, S.W.—Junior; 23 or 24; indoors; qualified preferred; good Dispensing experience necessary. Apply personally, or by letter giving particulars and enclosing photo (to be returned), Beddard, 46 Churton Street, London, S.W.

LONDON, W.—Qualified, gentlemanly Assistant; aged 22 to 25; indoors; good-class Dispensing; vacant June 25. State salary and usual particulars, Harding, The Avenue, West Ealing.

LONDON, N.W.—Temporary Assistant for few weeks from July 5; qualified or unqualified; age 21 to 25. Apply, giving full particulars by letter, to Greenish, 20 New Street, Dorset Square, N.W.

LONDON, W.—Qualified Assistant; 24 to 26; July 15; Counter and Dispensing, with Continental experience preferred; indoors; knowledge of Photography. State experience and enclose photo to T. Kempston, 48 Regent Street, W.

LONDON, W.—Qualified indoor Assistant, about 24 years. Apply, R. L. Whigham, 22 Brook Street, W.

LONDON, E.—Wanted, at end of month, a middle-aged, qualified Manager; abstainer preferred; must have at least one year's good reference from last situation. Apply, stating salary required (outdoors), to Ballard, 393 Commercial Road East.

LONDON, N.W.—Wanted, at once, qualified Assistant; must be well recommended as thoroughly steady and trustworthy. State age and salary required (indoors, comfortable home), "W. Y." (90/15), Office of this Paper.

LONDON, W.—Wanted, immediately, for good-class business, gentlemanly Assistant; not necessarily qualified, but must possess undeniable references and have had good experience. Apply, with full particulars, stating salary required (outdoors), to "Menthol" (90/14), Office of this Paper.

LONDON, N.W.—Wanted, at once, qualified Manager for small business; Retail, Prescribing, and Photographic; outdoors; rather long hours; personal application preferred, if not, state age, height, etc., and salary required, F. G. Turner, 129 Canterbury Road, Kilburn, N.W.

LONDON, WEST.—Qualified; indoors; two vacancies in old-established West-end Pharmacy; town experience essential. Personal application, or letter with full particulars, giving height, salary required, etc., to "H. E. R.," 7 Pall Mall East, S.W.

LONDON, S.W.—Smart young qualified Chemist wanted; Extractor preferred; personal application any time; indoors if preferable; easy appointment; permanency; state salary wanted. Apply, Bambrough, Ltd., 7 South Side, Clapham Common, S.W.

LONDON.—Active Junior for quick Store trade. Apply, giving usual particulars as to experience, references, salary, etc., to 90/40, Office of this Paper.

LONDON Suburb.—Qualified Assistant, prospect Branch Manager; good-class Retail, Dispensing, and Photographic; half-day weekly; Sunday duty 2½ hours fortnightly. Particulars, including age, height, experience, salary required, enclosing photo, to Matthews (Cash Chemists), Ltd., High Road, Leyton, N.E.

LONDON, W.C.—Wanted, by middle of July, qualified Assistant; outdoors; aged 25 to 30; accurate Dispenser and good Counter experience. Apply, with full particulars, "Manager," c/o R. S. Starkie, 7 and 8 Grand Hotel Buildings, Trafalgar Square, W.C.

LYNTON, N.D.—Wanted (qualified preferred), Assistant; indoors; comfortable home; easy hours; first week in July, for 3 months; good-class experience; Photography. Apply, with photo if possible, stating salary, to S. Lester.

MACCLESFIELD.—Qualified Assistant wanted; outdoors; abstainer preferred; Photography; thoroughly competent; one only kept. State age, height, experience, references, salary required, and all particulars (enclose photo, to be returned), Duncalf, Chemist, Macclesfield.

MANCHESTER DISTRICT.—Wanted, qualified Branch Manager; one used to Drug-stores preferred; must be of good appearance and competent to take sole charge; one desiring a permanency preferred. Send full particulars as to age, salary required, photo, and references, to "X. X.," care of C. Harrison, Chapel Street, Victoria Bridge, Manchester.

MANCHESTER.—Wanted, immediately, qualified Manager for branch; light suburban business; outdoors; permanency and good prospects for a capable and energetic man. State age, experience, salary, references, with photo, to N. Withnall, 59 Barlow Moor Road, Chorlton-cum-Hardy, Manchester.

MANCHESTER.—Qualified Branch Manager; of good appearance and smart Counterman; must be experienced in up-to-date Store trade. Apply, with full particulars, age, height, salary required (outdoors); also photo, etc., to "E. R.," c/o Woolley, Sons & Co., Ltd., Victoria Bridge, Manchester.

MARGATE.—Wanted, early, for 3 months' season, a competent Assistant (about 24) for a good Dispensing and Retail business. State particulars of last two engagements, when at liberty, age, height, and salary required (outdoors), to John Bailly & Co., 2 Ethelbert Terrace, Margate.

MATLOCK.—Wanted, qualified Assistant; outdoors. Apply, stating age, height, and salary required, photo if possible, to Davis, Pharmacist, Matlock.

NEWPORT, Isle of Wight.—Lady Dispenser required as Locum for two weeks from July 3–17; board and residence at surgery. Applications, with testimonials, to "Dispenser," 63 High Street, Newport.

OLDHAM.—Wanted, qualified Assistant; outdoors; state age, height, experience, references, and salary required, with photo. Address, 89/31, Office of this Paper.

OSTENDE.—Ach. De Cock, Pharmacie Centrale, Belgium, requires an Assistant for the summer season; must be thoroughly acquainted with International Pharmacy. Apply, with references, to above address (urgent).

READING.—Gentlemanly Assistant (age 25 to 30) for Cash Retail, Dispensing, and Photography, from July 15 to September 18; send full particulars, references, and recent photograph; interview essential; weekly half-holidays. Cross & Co., Chemists, Reading.

TAUNTON.—Assistant wanted for 3 months to help over holiday season; indoors; unqualified. Apply, with full particulars, to Gregory & Wrenn, Chemists, Taunton.

SOUTH DEVON.—Junior Assistant (about 21) in Light Retail and Dispensing business; one accustomed to Agricultural trade preferred; no night nor after-hours duty; weekly half-holiday. Photo and references to Hellens, Chemist, Totnes.

SOUTHSEA.—Wanted, at once, a well-trained Junior for season in Dispensing business. With photo and full particulars, T. O. Barlow, Pharmacist, Southsea.

TUNBRIDGE WELLS.—Assistant required in high-class Cash Retail and Dispensing; outdoors; good experience and references essential. Apply, with full particulars, age, height, salary, and enclose photo (returnable), H. S. Pearmund, Pharmaceutical Chemist, 47 High Street, Tunbridge Wells.

WALTON-ON-THE-NAZE.—Assistant wanted, indoors, qualification not essential, about third week July for season, for Light Retail and Dispensing, with some Photography. Apply, with full particulars, and photo if convenient (to be returned), to F. R. de Lisle, Walton-on-the-Naze.

WIMBLEDON, S.W.—Junior Assistant, indoors, for Light Retail and Dispensing business; state when disengaged, age, height, experience, and salary required; weekly half-holiday. "Chemist-Optician," 76 High Street.

WOLVERHAMPTON.—Improver wanted; age about 19; one who has had 2 or 3 years' experience in a good-class business; outdoors; weekly half-holiday; no Sunday duty. Please apply, giving usual particulars, to Phillips, Pharmaceutical Chemist, Wolverhampton.

WORTHING.—Assistant wanted; Junior; good-class business; seaside town. Send particulars, with references, to W. Aston, Pharmaceutical Chemist, Worthing.

A GOOD capable Assistant, qualified, in about two or three weeks' time; must be well up in all branches of a good-class country business. Also an Assistant for branch, at once; not necessarily qualified; outdoors, to have dinner and tea at business premises. State fullest particulars in first letter as to age, height, reference, photo, salary (indoors), "Rex," Davy Hill & Co., Park Street, Southwark, London.

A QUALIFIED gentlemanly Assistant (outdoors) for high-class, full-price Cash Retail; must have good recent references and be a capable Salesman; not over 35 years of age. Apply, with full particulars and enclose photo, to Parson C. Baker, 174 Victoria Street, S.W.

A SSISTANT, about 23 to 25, capable of pushing and increasing quiet country branch; easy hours; good chance for gentleman studying for Minor; work light; salary strictly moderate; Western County; must be fair Prescriber and Counterman. Full particulars, including age, height, salary required, and enclose photo, "Aldehyde" (88/51), Office of this Paper.

B RANCH Manager wanted, at once; suit young married man; house and gas free, with salary and good commission; pleasant, energetic, and willing; near Victoria Park, in pleasant and good-class district. Send particulars, with photo, to the Executors of J. Wells Wood, 92 Green Lanes, London, N.

I MPROVER or Junior; must be highly recommended; easy hours; outdoors. State salary required and when disengaged, 86/15, Office of this Paper.

J UNIOR Assistant (about 20) wanted at once; Lancashire town. Apply, with full particulars as to age, height, salary (outdoors), references, and enclose photo, to 85/19, Office of this Paper.

J UNIOR Assistant (unqualified) wanted in City business; outdoors; hours 9 to 7, Saturdays 3. Personal applications only entertained, to Knowles & Phillips, 93 Gresham Street, E.C.

J UNIOR Assistant; must have had experience in good-class Pharmacies. Apply, with full particulars in first letter, to "North," c/o Messrs. Evans Sons Lescher & Webb, Ltd., 56 Hanover Street, Liverpool.

L OCUM Wanted (qualified) to take charge of small business in Suffolk; outdoors; knowledge of Photography required. State age, salary required, references, etc., to "P. J. B." (88/04), Office of this Paper.

L OCUM-ASSISTANT to take charge of good-class Retail and Dispensing business from July 1 to 18 inclusive. State inclusive terms (indoors), with age and references of engagements and wholesale house, to "Hants" (89/6), Office of this Paper.

Q UALIFIED Assistant wanted, middle age, for country business, small town in East Cornwall; indoors; abstainer; permanency to a suitable man. Apply, stating salary required, references, etc., to Evans, Gadd & Co., Ltd., Exeter.

Q UALIFIED Dispenser; capable, steady, and industrious; salary 55s. per week. Also a smart Assistant for Counter; tactful and persevering; good references essential. D. P. Roberts, Chemist, 120 North End, Croydon.

U NQUALIFIED Assistant required, immediately; one who has had management experience preferred. State age, whether married, when at liberty, and give references. 89/03, Office of this Paper.

W ANTED, qualified Branch Manager; married preferred; must have best of references and be a smart Counterman; permanency to good man; half-holiday weekly; no Sunday duty. State wages required and give references from last two employers, Thompson's, Cash Chemists, Ashton-under-Lyne.

W ANTED, immediately, qualified Chemist and Druggist to conduct widow's business at Lechlade, Gloucestershire (1,000 inhabitants); must be single; indoors; courteous and obliging, and acquainted with Photography and Agricultural; easy hours; no night or Sunday duty; comfortable home for a steady man; one only kept. Apply, Mrs. G. A. Davis.

W ANTED, Assistant (outdoors), about middle of July, with good experience of country Retail and Dispensing. Apply, stating age, height, salary required, and references to last two employers, and enclosing photo (to be returned), J. Bates, Chemist, Bicester.

W ANTED, smart young qualified Assistant for up-to-date business with a view to management. State age, salary required, and give very full particulars to 89/3, Office of this Paper.

W ANTED, for Walsall, young unqualified man to manage small Branch; must be prepared to accept low wage to start, as the takings are very small. 89/30, Office of this Paper.

W ANTED, an energetic Assistant; up-to-date in Photography and General Retail; good references required. Apply, "T. E. B.," c/o Jno. Thompson, Ltd., Hanover Street, Liverpool.

W ANTED, Junior or Improver for a few weeks, or possible permanency; board in, live out. Apply, stating wages required, age, and experience, Wyatt, Broadway, Mortlake.

SITUATIONS OPEN *(continued).*

WANTED, a qualified Branch Manager; abstainer preferred; must be a smart Counterman and used to Store trade; half-day and no Sunday duty; wages 50s. Apply, with references, to Griffiths, Chemist, Droydsden.

IMPORTANT to Assistants.—5s. 6d.; bedroom, and use of sitting-room, dining-room, billiard-room, 10-ft. table; piano; bath (h. and c.); tennis; board as required. Mrs. Hosier, 36 Fitzroy Square, London, W.

WHOLESALE.

ACCOUNTANT, with experience of Chemical or Pharmaceutical work, single, not over 30, wanted for India; 3 years' agreement; £150, rising to £200; free quarters. Address, "Z. H. M.," c/o Deacon's Advertising Offices, Leadenhall Street.

CLERK (about 22) required in Export house; must be good and quick writer and have had previous experience in the trade; progressive post for a smart man. Full particulars and salary required to 79/57, Office of this Paper.

GENTLEMAN with good experience and connection among Doctors, Institutions, etc., to sell Speciality, described by the Medical Press as superior to all existing preparations; commission basis preferred. State previous experience, age, terms, to 76/30, Office of this Paper.

JUNIOR Assistant required by a City firm of Manufacturing Chemists; Minor qualification; gentlemanly appearance and good address. Apply, stating age, salary required, and when disengaged to "Ibis" (79/68), Office of this Paper.

LABORATORY.—Wanted, for abroad, a first-class man, well up in the manufacture of all Galenicals; must be unmarried; preference given to one able to standardise; progressive salary. Apply, by letter only, giving full particulars, to "A. S." (79/303), Office of this Paper.

LABORATORY and Specialities.—A first-class man required to superintend putting-up department; able to make Galenicals and accurately standardise. State age, experience, and salary required, "Wholesale" (79/33), Office of this Paper.

PARTNER and Traveller in limited company (see "Partnership"). "W. H. J." (77/54), Office of this Paper.

QUALIFIED Chemist wanted to undertake the making of Essences and Pharmaceuticals; a permanent position for a thoroughly experienced man. Particulars in confidence to 75/70, Office of this Paper.

REPRESENTATIVES required at once by high-class Toilet Soap house; those already having a connection preferred; opportunities for good active men. Reply (in confidence), stating age, full experience, salary expected, to 91/6, Office of this Paper.

TRAVELLER required to call upon Hospitals, Infirmarys, etc.; London and district; must have previous experience; one line only; the best on the market. Address particulars of experience, age, salary required, to 76/03, Office of this Paper.

TRAVELLER wanted for country by a firm of Toilet Soap and Perfumery Manufacturers; salary, travelling expenses, and commission; must be a fully competent man, with experience in own name Soaps and Perfumery, and have good connection and undeniable references. Address, "H." (73/61), Office of this Paper.

WANTED, smart, gentlemanly Representative to call on Doctors, introducing Pharmaceutical Preparations and Surgical Dressings; preference given to young man with a connection; good prospects are assured for energetic and tactful man. Reply, stating previous experience and salary required, to "Medico," c/o Wilson's, 60 Ludgate Hill, E.C.

WANTED, a steady and reliable Assistant for the Wet Counter. Apply, with full particulars as to experience and salary required, to Lofthouse & Saltmer, Wholesale Druggists, Hull.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words beyond, prepaid.

RETAIL.

LADY Dispenser to Doctor; Hall certificate. Nurse Smith, 91 Vassall Road, Brixton.

DISENGAGED; unqualified; several years' experience. R. M. Lelean, 11 Princess Road, Leicester.

UNQUALIFIED; 36; Extractor, Prescriber; good references. "F.," 57 Firth Park Road, Sheffield.

24; reliable, energetic; unqualified; well recommended. Cook, Methuen House, East Kirkby, Notts.

ASSISTANT; aged 27; good Dispenser and Counter hand; unqualified. G. Dickin, The Pharmacy, Sheringham.

DISPENSER to Doctor; disengaged morning and afternoon; excellent references. Stovell, 4 Handforth Road, S.W.

DISPENSER; unqualified; highest references; quick, accurate; thoroughly experienced. "B. C.," 503 Southwark Park Road, S.E.

LOCUM or Part-time; qualified; active, obliging; abstainer; Fridays and Saturdays whole days and any morning free. "Borax," 535 Holloway Road, N.

ASSISTANT; 39; experienced; references; disengaged; single; take charge. "Specs," 6 Newland, Northampton.

MANAGER or Locum; 28; good-class London and provincial experience. "Pharmacist," 53 Osborne Road, Leicester.

MANAGER; Locum; disengaged June 18 till July 5; unqualified; Extractor; 18 years' experience. Bedding, 2 New London Street, London, E.C.

MANAGER; qualified; middle-aged; single; good General experience; Prescriber; permanency or, in meantime, Locum. "W.," 285 Mile End Road, E.

PERMANENCY; 14 years' every experience, London and provincial; highest references; unqualified. "Civility and Courtesy," 274 High Street, Rochester.

MANAGER; Minor, and Registered Dentist; upwards of 20 years' excellent experience; Locum or otherwise; Extractions and Impressions. "N. N. B." (20/20), Office of this Paper.

CHEMISTS requiring Locum (qualified and highly recommended) during July; North and Midlands preferred. Please apply by return post, "Smilax," c/o Evans Lescher & Webb, Liverpool.

AS Branch Manager with view to succession; South London suburb; unqualified; competent; steady and reliable; references; medium or working-class district. "Veritas" (90/4), Office of this Paper.

LADY Dispenser; qualified; Locum; dates open. "L," 76 Bedford Road, Ilford, Essex.

LOCUM, qualified, experienced, booking future dates. Whitehouse, 2 Gill Street, Nottingham.

DISPENSER; Minor; Locum or permanent; 29. "Durley," Seymour Road, Hampton Hill.

UP-TO-DATE Manager; 26; in or near London. "Pharmacist," 14 Merton Road, Wandsworth.

LOCUM; a few vacant dates for holiday duty; good references. Apply, Follows, M.P.S., Tunstall, Staffs.

JUNIOR; good all-round experience; aged 22; Midlands preferred. "Junior," 13 Thornley Street, Wolverhampton.

LOCUM; 31; undeniable references; well recommended; 15 years' experience. Newton, Pharmacist, Matlock Bath.

LOCUM; 40; disengaged July; references; town or country. "Major," 23 Cuthbert's Terrace, Blackhill, Durham.

UNQUALIFIED; permanency required; married; outdoors. Heslop, 4 Victoria Terrace, Low Fell, Gateshead-on-Tyne.

PERMANENT or Locum; qualified; tall, good appearance; disengaged. "Chemist," 4 Aubrey Street, Everton, Liverpool.

LOCUM-TENENS; 40; qualified; thoroughly reliable; all-round experience; disengaged. Williams, Pharmacist, Rhostryfan.

NOTTINGHAM District.—Assistant (25) desires berth; experienced; reliable. "Velox," 48a Lees Hill Street, Nottingham.

ENERGETIC Chemist requires permanency where opportunity would be offered for small investment. 85/28, Office of this Paper.

MIDLANDS.—Unqualified; 32; Agricultural and Dispensing; 16 years' all-round experience. "Rheum," 87 Grange Street, Burton-on-Trent.

LOCUM; qualified; 28; thorough all-round experience; good references; abstainer; disengaged July 12. "Reliable," 53 Victoria Road, Bridgwater.

LADY Dispenser (Apothecaries' Hall qualification) desires post with Doctor; excellent references. Apply, "June" (85/7), Office of this Paper.

YOUNG French qualified Chemist wants situation for August and September in good-class business in order to learn English. Lefebvre, 2 rue Duphot, Paris.

LOCUM; 23; unqualified; Lancashire, Cheshire, or North Wales; open July 5 to August 7; good references. "Besaneath," 55 Bradshawgate, Leigh, Lancs.

MANAGER; Major qualification; registered Dentist; wide experience; Locum or otherwise; can take sole charge; Gas Operator. "Dens" (85/16), Office of this Paper.

QUALIFIED; 27; London and continental experience, including Optics and Photography; excellent references. "Alpha," 33 Hemberton Road, Stockwell, S.W.

LOCUM, unqualified, 37, booking engagements; 19 years' varied experience (past 10 years in own business); disengaged. Lily Bank, Beverley Road, Horfield, Bristol.

LOCUM; thoroughly competent and trustworthy; West-end, South Coast, and provincial experience; disengaged June 28. "Dispenser," 35 Lisle Street, Leicester Square, W.

ASSISTANT; 34; unqualified; tall; strong; single; first-class practical experience; Dispensing, Window-dressing, etc.; good references. Apply, 84/16, Office of this Paper.

DISENGAGED; Locum or otherwise; 3 years' excellent reference; brisk Counterman, good Prescriber; abstainer; middle-aged; single; unqualified. "Aspirin," 20 Chapel Street, Uxbridge.

DISPENSER (Hall); excellent experience and references. 89/8, Office of this Paper.

LONDON; 22; part-time preferred; permanency if possible. Mills, 47 Vartry Road, N.

LOCUM or Manager; abstainer; 33; can cultivate personal business. Jackson, Hillside, Bewdley.

WALES.—Locum; permanency; 16 years' experience. Jones, 7 Dyffryn Street, Pontlottyn, Glam.

LOCUM.—Pharmacist; disengaged; town and country experience. Price, Brynamlwg, Crowboro', Sussex.

REGISTERED Pharmacist requires Locum work; July-September. Rees, 60 Brunswick Street, Edinburgh.

ADVERTISER, young, well educated, desires re-engagement as Clerk; good references. 88/11, Office of this Paper.

QUALIFIED; Locum or Dispenser; disengaged till July 26; aged 30. Apply, "Radix" (86/38), Office of this Paper.

UNQUALIFIED; good Dispensing, Retail, and Photographic experience; good references. "S," 46 Talbot Street, Southport.

JUNIOR (20), knowledge Dispensing, Photography, nominal salary, desires further experience. Clark, 6 Cherry Street, Birmingham.

M.P.S. requires evening work; 6 years' London Dispensing experience; excellent references. Robb, 46 Churton Street, S.W.

ASSISTANT (aged 20), 3 years' Harrogate experience, Retail and Photography, seeks permanency; disengaged. Harlow, Station Parade, Harrogate.

LADY Dispenser; Doctor or Institution; Locum or permanency; excellent testimonials and experience. "X," 40 Mayflower Road, Clapham Road.

MINOR Student seeks situation, 6 weeks commencing June 28; Retail, Dispensing, Photography. Teare, 35 Middleton Street, Moss Side, Manchester.

MANAGER; qualified; London and provincial experience; 35; abstainer; tall; good address; highest references; permanency. 88/17, Office of this Paper.

JUNIOR; 20; excellent experience and references; disengaged first week in July; North Wales preferred; outdoors. "Statim," c/o 106 High Street, Putney, S.W.

LOCUM; unqualified; 26; disengaged July 5 to August 16; abstainer; reliable; excellent references. "Minor Student," 215 Woodboro' Road, Nottingham.

ADVERTISER, having relinquished business of his own, desires engagement as Locum or Reliever during summer months. Particulars, 86/28, Office of this Paper.

ASSISTANT; 36; 5 ft. 11½ in.; 4 years each last two berths; undeniable references; exceptional experience; seaside or permanency. "Reliable" (86/35), Office of this Paper.

PART-TIME; every day from 3, all day Wednesdays, Saturdays, Sundays; experienced; Counter, Prescriber, Dispenser, Optics, Dentistry; aged 38. "Statim," 114 Windsor Road, Ilford.

GENTLEMAN shortly giving up position as Manager wishes first to recommend successor, Chemist and Dentist; suit middle-aged man desiring permanency; Staffs. 84/25, Office of this Paper.

ASSISTANT or Locum; smart Counterman; first-class Store business; thoroughly experienced; at liberty June 26; aged 27; height 5 ft. 7 in. "Rhei," c/o Thomson, Chemist, Tudor Road, Cardiff.

DISPENSER; young lady requires post; Hall qualification; 4 years' experience; excellent testimonials; disengaged July 6; live in or at home. "A. S.," "Ambleside," Carshalton Park Road, Carshalton.

UNQUALIFIED; 29; tall; single; competent; excellent all-round experience; Photography, up-to-date; outdoors; now disengaged; good references; abstainer. "Phenalgin," Rock House, Clevedon, Somerset.

ASSISTANT (20) to either Chemist or Dentist; 4½ years' Prescribing and Dispensing experience; good Extractor, with practical knowledge of Painless Extracting. "Lethe," 209 Round Street, West Bowling, Bradford.

SITUATIONS WANTED *(continued).*

SENIOR; outdoors; 28; qualified; highest-class experience. 87/26, Office of this Paper.

ROOMS wanted with Chemist; close London; part-time given. Crowe, Bungalow, Marlow.

UNQUALIFIED Manager; married; 33; 7 years last place. Address, 90/6, Office of this Paper.

ASSISTANT; unqualified; married; 30; tall; country preferred. Hannath, 39 Parson's Mead, Croydon.

LOCUM or permanency; qualified; disengaged July 26. "Manager," 10 Raby Street, Darlington.

LOCUM; qualified; experienced; Photography; well recommended. Lemmon, 13 St. Michael's Place, Brighton.

EASY terms; qualified; 52; single; experienced; disengaged. "Chemist," 60 Beresford Street, Woolwich.

PHARMACIST; registered; 26; Branch preferred. Rees, 126 Thornhill Road, Handsworth, Birmingham.

JUNIOR; good references; disengaged July 8; season; South Coast. W. G. Williams, 1 Broadway, Worthing.

LOCUM—Chemist seeks engagement; disengaged end of June. "B.," West End House, Stechford, Birmingham.

LOCUM; qualified; experienced; disengaged until July 31; references. "Pharmacist," 13 Wellesley Street, Stepney.

QUALIFIED; Locum; exceptional experience; highly recommended. Jones, c/o Mr. Rolfe, Chemist, Faversham.

LOCUM; 38; disengaged; thoroughly experienced; Dispensing, Photographic. "Statim," 43 London Road, Twickenham.

ASSISTANT or Manager of Drug Stores; disengaged; good references; unqualified; 30. "J.," 41 Montieth Road, London.

LOCUM; lady Dispenser (Hall); Doctor or Institution; disengaged till October; experienced; bookkeeping. 87/34, Office of this Paper.

LOCUM or Manager; Pharmacist; 28; disengaged; first-class experience; references. Address "L.," 161 Stoke Newington Road, N.

LOCUM; qualified; excellent references; disengaged 23rd to 30th inclusive; whole or part. Caius, 21A Castletown Road, West Kensington.

QUALIFIED; experienced; highest references; Management, Locum, or Relief; disengaged. Address, "B.," c/o J. Woolley, Sons & Co., Manchester.

DISPENSER (lady) disengaged; 3 years' experience; Locum or permanent; good testimonials. Miss Hill, 29 Frederick Road, Granelly Hill, Birmingham.

QUALIFIED; disengaged July 17 or before; Dispensing, Counter, Photography; good references. "A. B.," 174 Victoria Street, S.W. Telephone, 21 Victoria.

UNQUALIFIED; 21; Counter and Dispensing; abstainer; good references; disengaged; smart, willing; London preferred. "C.," 41 Burwash Road, Plumstead.

LOCUM, permanent; West-end experience; 33 years; 6 ft.; good appearance; references excellent; London or Coast; disengaged June 21. "H.," c/o Colby & Co., Brighton.

LOCUM; 30; qualified; undeniable testimonials to character and ability; 8 years' London experience; disengaged to July 12. Robinson, 2 Holland House, Holland Road, Willesden.

EVENINGS—Monday, Wednesday, Friday, 7; alternate Sundays all day; Counterman, Prescriber, Dispenser; experienced; aged 31. "Relief," 36 Arthur Road, Holloway, N.

UNQUALIFIED (29), late manager, all-round experience, seeks position; Assistant Chemist, Window-dresser, or Manager; Mixed Drug-store; abstainer; good address; best references; permanent berth preferred. Wolverton, c/o Mr. Hughes, Marton, Salop.

WHOLESALE.

LABORATORY Assistant; 22; 6 years' good all-round experience. 90/17, Office of this Paper.

TRAVELLER, commission, or good Agency connection. Caldwell, 4 Birdhurst Road, Croydon.

CLERK, 9 years' experience, certified bookkeeper, quick at figures, seeks position of trust. Apply, 86/9, Office of this Paper.

YOUTH (aged 16) seeks position in Laboratory; willing to make himself useful. "W. G. K.," 80 Third Avenue, Manor Park, Essex.

WANTED, a non-competitive house to share expense of Traveller; sound connection South, East, and West. "Salix," 4 Markham Square, S.W.

LADY Clerk desires re-engagement; Wholesale; London; quick, capable, accurate; 10 years' experience; good references. 87/37, Office of this Paper.

TRAVELLER, excellent London connection, requires good commission; guarantee 10 years; Essence, Essential Oil, Perfume experience. 44 Byton Road, Tooting.

WELFARE Worker.—Gentlewoman, 14 years' experience with girls, wants post in large Manufactory; highest references; £80 to £100. "Lemoz" (88/10), Office of this Paper.

TRAVELLER, with sound connection in Wales, etc., wishes to Represent a first-class firm with good selling lines on part-expenses and commission. "A." (89/14), Office of this Paper.

REPRESENTATIVE with considerable experience of high-class Pharmacy, having connection with Medical men and Chemists, desires engagement with good-class firm; young, energetic; still engaged. 86/8, Office of this Paper.

GENTLEMAN with influence, excellent pioneering and advertising experience, large sound connection, Chemists, Druggists, Grocers, would Represent first-class house; Durham, Yorkshire, Northumberland. "Grit" (86/26), Office of this Paper.

TRAVELLER with 16 years' really valuable connection in North of England and Scotland seeks re-engagement, either exclusive or good Agencies, on commission with allowance for expenses; can satisfactorily introduce new lines. "Guild" (87/24), Office of this Paper.

WANTED, small Interest in business, with view of Travelling for same; regular, or one with 3 or 4 days out weekly; good varied travelling experience; Wholesale and Retail; aged 25 years; height 5 ft. 11 in.; energetic; excellent references; capital £25. 86/30, Office of this Paper.

GENTLEMAN (aged 26), tall, smart appearance, desires situation as Traveller; now in the employment of one of the largest and best-known firms of Wholesale Chemical Manufacturers in London; over 5 years in present position; could start immediately. "E. J." (89/38), Office of this Paper.

GENTLEMAN, 6 years' experience in the Wholesale trade in Germany and Belgium, speaking French and German perfectly and knowledge of English, well versed in all commercial matters, perfect knowledge of bookkeeping, shorthand, correspondence, etc., with highest references, seeks situation. Reply to "G. S.," 33 Freegrove Road, N.

TWENTY years' experience; advertiser has travelled all over England and Wales among Pharmacists, Retail Drug-stores, and local Wholesale Druggists, knows the Drug business thoroughly, and has had large experience in selling Drugs, Packed Goods, and Specialities, desires engagement as Representative of good house. 87/2, Office of this Paper.

MISCELLANEOUS.

MACADAM & TUCKNISS, Sharedealers, 30 Tranquil Vale, Blackheath, S.E. Telephone 81a Lee Green.

SHARES FOR SALE (free of commission, subject).—300 Allen & Hanbury "A" 6 per cent. Prefs. 25s., 170 "B" 6 per cent. Prefs. 24s. 3d.; 50 Brunner Mond, 102s. 6d. xd.; 100 Pears Ordinary, 31s. 7½d.; 100 Peck Frean Prefs., 20s. 9d.

WANTED (subject).—50 Camwal Ordinary 1s., 100 Prefs. 6s. 9d., 5 Debentures £33½; 100 Virol, 5s. 9d.; 50 Lewis & Burrows Ordinary, 3s. 6d.

List of shares for sale and wanted sent free on application. Bankers, London and County. Established 1898.

VERY FINE LOT OF CHEMIST'S FITTINGS.—As good as new; 10 ft. 6 in. wall-case, mirror centre and 4 drawers under, glass doors top and bottom, mirror recess, £12; 10-ft. mahogany and plate-glass serving-counter, £7 10s.; mahogany desk and case, 50s.; 12-ft. drug-fitting, complete, £9; very handsome mahogany dispensing-screen, mirror centre, glass cases on each side, mahogany and plate-glass counter under, £12 15s.; a great bargain for anyone wishing to open immediately. **PHILIP JOSEPHS & SONS, LTD.**, 93 Old Street, London, E.C.

WE HAVE WHAT YOU REQUIRE, Drug Fittings, Counters, Wall-cases, Dispensing-screens, Perfume-cases, etc., in almost all sizes; second-hand; condition first-class; prices reasonable. Write for sketches and details giving approximate sizes, or call and inspect. **RUDDUCK & CO.**, 262 OLD STREET, E.C.

TO APPRENTICES, JUNIORS, ETC.—If you wish to pass the Preliminary quickly and with little trouble, write to Mr. Charles Harker, who will coach you by post; thorough systematic teaching; numerous successes in 3 and 6 months; special attention given to those of neglected education; 85 per cent. recent successes; terms very moderate. **Charles Harker**, 239 Chapter Road, Cricklewood, London, N.W.



1/3

GUMMED PRICE TICKETS

Crimson ground, white figures. Stocked in all usual prices up to 21/-, each price banded separately in hundreds.

1 The Midset, 9d. per 1,000
The Magnum, 1/6 " " 1,000
assorted 10 prices.

Full illustrated list of Blanks for use with these tickets free on application.

DUDLEY & CO., Ticket Writers & Printers, Holloway, London



10d

YOU ARE MISSING £50

at least minimum increased *net profit* by neglecting to take up my 600 times proved System of Increasing Chemists' Businesses. The first step in the right direction is to send for my two latest FREE Booklets and other proof. Don't take my word; the more you investigate the better I like it. 92 per cent. of successes. Will you become another?

BERNARD SLACK, Princes Chambers, WOLVERHAMPTON.

HORTICULTURAL CHEMISTS.

The above is closely connected with the Veterinary and Agricultural. Have you ever thought of taking it up? Am giving the above special attention for July, showing how you can have profitable specialities in that particular line as in your ordinary business. Booklet "How to Increase Your Business," by increasing the sale of your own specialities, post free to Pharmacists. Send for it to-night; it will interest you.

J. R. B. ALLISON, Pharmacist & Business Specialist, RETFORD.

Exchange Column—Bargains.

FOR DISPOSAL.

APPARATUS.

CACHET machine, to make 4 sizes; cost 18s. 6d.; will take 7s. 6d.

THOMAS BELL, Chemist, Ambleide.

LABORATORY table for sale, 17 ft. by 3 ft., fitted with slate top, cupboards, drawers, etc.; nearly new. "SECRETARY," 4 Euston Buildings, London, N.W.

"**SPINNER**" tablet-making machine by Sudworth, Nottingham; absolutely new; purchaser could be instructed in tablet-making. Reply, "E," c/o Central and City Press, 132 Finsbury Pavement House, E.C.

BOOKS AND PERIODICALS.

AS new, B.P.C. Year Books, 1885 to 1902 inclusive; what offers? **SMITH**, Chemist, Radcliffe.

"**TIMES Encyclopædia**" (24 volumes); half-morocco bound; never been unpacked; what offers? **WARREN & Co.**, 340 Harrow Road, London, W.

FOR sale, "Encyclopædia Britannica" (25 vols.), or exchange for good microscope. "O. T. E.", 13 De Montfort Street, Leicester.

DENTAL.

DENTAL chair, lathe, and show-case specimens; cheap. "DENTAL," 34 Trinity Street, Boston.

DENTAL chair for sale; rising, falling, backward and forward adjustments. Particulars, 86/39, Office of this Paper.

DENTAL chair; cost 8 guineas; almost new; upholstered in red plush. "PHARMACIST," 41 High Street, West Norwood, London, S.E.

DRUGS AND CHEMICALS.

WHAT offers?—14 cwt. fullers' earth powder, carriage paid. **BLOOMFIELD**, Chemist, King's Norton.

FORMULÆ.

FORMULA for sale.—Vet. and cattle medicines. **FRANCE**, 42 Vartry Road, London.

FLUID toilet-cream; grand preparation; inseparable; price 2s. "RELIABLE," 72 Grosvenor Road, Twickenham.

OPTICAL AND PHOTOGRAPHIC.

KODAK commercial developing-box for films with extra dials; cost £2 8s. 6d.; what offers? **G. BRIGHT**, Sea View, Isle of Wight.

NO. 3 F.P. Kodak and case, £1 5s.; **No. 2 F.P. Brownie**, 10s.; Ensign anastigmat lens, Korlos shutter, series 1, F. 5.8, ¼ plate, £2 5s.

Cousins, Buckfastleigh.

OPTICIAN'S trial-case, absolutely new, never been used, cost £12 12s.; also Laurance's "Manual of Optics," 10s. 6d.; will take £9 for the lot. **CAMPBELL**, 19 Belvedere, Bath.

SHARES.

SHARES for Sale. See above.

MISCELLANEOUS.

SYPHON truck; 24 partitions (removable); nearly new. £1 f.o.r. **ROBINSON**, Frome.

WANTED.

PLATINUM, crucibles, wire, foil; full value remitted. **ROWSELL**, 11 Crebor Street, Dulwich.

COUNTER show-cases; also floor-case. Please give measurements and lowest price, **RANDALL**, Wareham.

FORMULA wanted for marking-ink; satisfactory, cash paid. **BLACK**, 23 Eversholt Street, London, N.W.

CASH record or coupon-giving till. State make, price, and condition to **CHADWICK**, 252 Langsett Road, Sheffield.

½-**PLATE enlarger**, with Meta or similar lamp; also easel. Full particulars to **FALCONER**, 51 High Street, Sandown, I.W.

MINOR, Major, Chemists' books.—Send prepaid for valuation; cash offers per return. **GOWER**, Bookseller, Waterloo, Liverpool.

STUDENT'S specimen drug-cabinet; suitable for assistant dispenser's exam. **MISS ANDERSON**, 9 Lucerne Road, Brighton.

DISPENSING-SCREEN; second-hand; about 4 ft. 6 in. long by 3 ft. high; must be cheap. **HENRY SAGAR**, Pharmacist, Darnall, Sheffield.

LATEST Squire, Martindale, Codex, pill-machine, dispensing and counter scales, suppository-moulds, check-till, for cash. **AXAX**, 82 Shirley Road, Southampton.

SECOND-HAND 2-flask vulcaniser and dental engine required; also cheap chair and dental sundries.—Write, stating lowest price, "W. E.", 30 Finsbury Pavement, London, E.C.

Coming Events.

Notices for insertion under this heading should be received by the Editor on Wednesday of each week.

Monday, June 21.

Plymouth, Devonport, and Stonehouse Chemists' Association, 7 Whimble Street, Plymouth, at 9.30 p.m. Quarterly meeting, when alterations in the rules and compulsory early closing will be discussed.

Wednesday, June 23.

Joint Excursion of the Edinburgh and Glasgow Chemists' Associations to Peebles. Edinburgh tickets (inclusive), single, 10s.; double (lady and gentleman), 19s.; Glasgow tickets (inclusive), single, 13s.; double (lady and gentleman), 25s., together with time-table and descriptive guide, may be obtained from Mr. G. H. C. Rowland, 7 Castle Street, Edinburgh, or any member of the committee.

Cardiff Pharmaceutical Association. Picnic to Chepstow, tea at the Beaufort Arms Hotel. Train leaves G.W.R. station at 1.25 p.m. Tickets, 2s. 3d. each, from members of the committee or Mr. E. Poole, Hon. Secretary, 71 Broadway, Cardiff.

Croydon Pharmacists' Association, Greyhound Hotel, at 7 p.m. Inaugural dinner, at which Mr. Idris, M.P., Mr. W. S. Glyn-Jones, and others will speak. Tickets, 5s. each, may be had from Mr. C. Dickinson, 119 South End, or Mr. S. A. Noble, Selsdon Road, Croydon.

Friday, June 25.

Edinburgh Chemists', Assistants', and Apprentices' Association, 36 York Place, at 8.30 p.m. Summer meeting. Lecture by Mr. E. J. Brown and practical demonstration by Mr. J. Rutherford Hill.

THE joint launch trip of the Thames Valley Pharmacists' Association and the Western Pharmacists' Association is to take place on June 30. The launch will leave the Sun Hotel, Market Place, Kingston-on-Thames, at 2 p.m., call at Hampton Court (Molesey Lock) at 2.45 p.m., and proceed to Chertsey, where tea will be served. Music and refreshments will be supplied during the trip. Tickets, 5s. each, family ticket (for three), 14s., from Mr. A. Higgs, 42 Richmond Road, Kingston-on-Thames, or Mr. Proctor, 133 The Grove, Hammersmith.

College Notes.

SCHOOL OF PHARMACY.—"The Square" students to the number of over sixty visited the laboratories of Messrs. Parke, Davis & Co. at Hounslow on the afternoon of June 11. After a thorough inspection of the chemical apparatus and pharmaceutical machinery and a full explanation of the various processes, the company were entertained to tea in the club dining-rooms. Thereafter a photograph was taken of the group by Mr. H. J. Fisk. Returning to the club assembly-room, the students were much interested by a lecture, illustrated with lantern views, delivered by Mr. Mabon. On the motion of Professor Greenish, three cheers were given to Mr. F. M. Fisk, European manager of Messrs. Parke, Davis & Co., for the handsome way in which the company had been entertained, and to all who had contributed to the afternoon's instruction and enjoyment.

Where to Study.

THE following educational institutions are advertising in this issue:

- Muter's (South London) School of Pharmacy, 325 Kennington Road, London, S.E.
- London College of Pharmacy, 323 Clapham Road, London, S.W.
- Liverpool School of Pharmacy, 18 Colquitt Street, Liverpool.
- Bath and West of England School of Pharmacy, Cleveland Place, Bath.
- Edinburgh Central School of Pharmacy, 26 Clyde Street, Edinburgh.

THE FOOD CONGRESS, which is to be held in Paris during October, promises to be a great success, and information can be obtained from Mr. Loudon M. Douglas, College of Agriculture, Edinburgh. The General Secretary is M. Robert Fazy, 42 Rue du Rhone, Geneva.

Advertising and the Expert.

By F. A. Degen.

IT has been proved that concentration of force ensures success, hence the reason for the presence of the specialist in all walks of life. To climb the ladder of prosperity and to remain firmly ensconced in its topmost rung, one must be upheld by the accumulated force of human experience. It is not enough, however, to be a specialist oneself; a knowledge of where to apply for other expert information is also necessary.

The head of a firm secures for himself sufficient time to look after his business as a whole by employing specialists to manage its different departments. This, as can readily be seen, is an immense advantage, because a man whose entire attention is focussed on one spot cannot survey the whole commercial field. Besides, even specialists require superintendence without, however, undue interference, for one does not "keep dogs and bark one's self." Certainly the head of a concern needs a special knowledge of all subjects connected with his business. This might be considered the skeleton upon which to build, while each part of the structure is being managed by one who has made that department his speciality. There are many sides to every business. It would, indeed, take an Argus-eyed person to see round them all.

It is plain that anyone of even ordinary ability, who devotes all his time to one subject, must know more about it than can one to whom that special knowledge is but a side issue. The chemist and druggist, therefore, cannot be expected to understand advertising, and when he prepares his own copy, no wonder that the cry of the disappointed advertiser is heard in the land.

Some say "My business is so small that I can't afford specialists." A false economy. Advertising is an investment; and when resources are limited there are still more reasons for investing advantageously. The experience of successful men proves that expert advertising—pays. Space and printing cost money; therefore, to publish ineffective stuff ought to be a privilege reserved for the rich who can indulge in expensive experiments.

Businesses, like individuals, have periods of ill-health, seasons of depression, times when the system is sluggish, and when a pick-me-up is necessary; but this should be administered by a specialist, for even a physician who is unwell does not prescribe for himself. The advertising expert is the person to consult at this juncture. Publicity is the best known business tonic. An advertising expert is a publicity doctor. Like any other physician, he bases his treatment on certain fixed principles, but these he modifies to individual needs. To carry the simile further—in advertising, an experimental element is often introduced. If one remedy is ineffective, another is tried. Advertisement-writing depends upon conditions, and the commercial world is variable. The expert observes these changes, and adjusts his methods accordingly.

Another point. The advertisement must attract the buyer. To do this is required, not alone information regarding the goods, but other qualities as well, among them literary ability, a knowledge of how, when, and where to use pictures which will bring out selling points. And type—this too must be studied, for type is to the advertisement-writer what light and shade are to the landscape painter, what emphasis is to the orator. It may be urged that the artist and the printer are also specialists. True, but they too need supervision. If this be left to the Ad.-writer, a certain harmony is secured; the writer, artist, and printer all working together, each bringing his special knowledge to bear on the advertisement.

"THE DENTAL NEWS" is the title of a new twopenny weekly journal of "dentistry for dentists by dentists," which, however, applauds the decision by the Master of the Rolls and his brother judges which has upset *Barnes v. Brown*. It is published by the Dental News Publishing Co., 47 Berwick Street, Oxford Street, London, W.

IMPORTANT NOTICE

TO

CHEMISTS AND DRUGGISTS.



Messrs. A. ROWLAND & SONS, proprietors of Rowland's Macassar Oil, for strengthening the growth of the Hair; Kalydor, for beautifying the Complexion; and Odonto, for whitening the teeth and preventing their decay, have just had designed for them a new and beautifully coloured

SHOW CARD

and will be glad to send one free of cost to any Chemist or Druggist who will send his name and address; also counter bills with name and address.

ROWLANDS' TOILET ARTICLES have been known for the last 120 years as the purest and best preparations for the Hair, Skin, and Teeth that have ever been made. They are largely advertised all over the world, consequently there is always a regular demand for them, and they should therefore be kept in stock by all stores, chemists, and druggists.

A. ROWLAND & SONS, 67 HATTON GARDEN, LONDON.

CREMOGEN.

A CONCENTRATED BASE FOR ECONOMICALLY
PRODUCING TOILET CREAM SKIN FOOD,
TOILET LANOLINE, &c.

Admirably adapted for preparing Witch Hazel Snow.

CREMOGEN can take up six or seven times its weight of water, forming a snow white Cream free from grease or stickiness.

Sold in pound tins, 2/6 post free.

Samples and particulars from—

FRANCIS NEWBERRY & SONS, Ltd., 27 CHARTERHOUSE SQUARE, LONDON, E.C.

JOHANN MARIA FARINA — No. 4 — COLOGNE



The profits on No. 4 compare favourably with those to be obtained from any other high-class brand.

ASK FOR **No. 4** WHEN ORDERING.

WHOLESALE AGENTS:

FICKUS, COURTENAY & CO., St. Dunstan's Buildings, E.C.

BY APPOINTMENT TO H.M. KING EDWARD VII.

"Erasmic"

WINDOW DISPLAY COMPETITION.

April 1st to August 31st, 1909.

£250 CASH PRIZES £250

THE FIRST PRIZE OF £50 MAY BE YOURS.

Special Bonus Offer for Display.

. . FOR TERMS, APPLY . .

THE ERASMIC CO. Ltd., WARRINGTON.

PRIVATE

Brand Makers
of Toilet and
Medicinal Soaps

Manufactured by us so that they reflect credit upon you and your goods.

TOILET SPECIALITIES FOR THE TRADE.

H. BRONNLEY & CO., Ltd., Warple Way, ACTON, LONDON, W.

Our Factory is within five minutes' ride of Shepherds Bush and Hammersmith Tube and Railway Stations.
Acton Trams and Buses pass the door.

D. Pappazoglou,
KEZANLIK, BULGARIA.

**FINEST GENUINE
OTTO OF ROSE.**

I make a speciality of pure oil with lowest
natural percentage of stearoptene.

Sole Agent: W. NAUMANN,
U.K. & Colonies], 63 Bartholomew Close, London, E.C.

**VISCOSE
BOTTLE CAPS**

For CAPPING EVERYTHING
whether corked, stoppered or sprinklered.
**BETTER APPEARANCE,
MORE EFFICIENT AND EASIER
TO APPLY THAN ANY OTHER
CAPPING.**

Strong, perfect fitting, SELF-FIX-
ING, air-tight and spirit-tight, &c. &c.

VISCOSE DEVELOPMENT CO., Ltd., 3 New Court, Carey Street, London, W.C.

THE JOHN BULL HAIR FOOD*"Once tried always used"*
TRADE MARK.**A GENUINE
HAIR RESTORER.**A trial
order
solicited.Extremely
attractive
covers.There is
money
in it.Very
stylishly
put up.In
three
colors.Ready
sale.*This Label is Registered.*Advertised Prices ... 1/6 and 3/- per bottle } Carriage
Trade Prices ... 13/6 and 27/- per dozen } Paid.

Laboratories: 280 Fulham Rd., South Kensington, London.

SOLE WHOLESALE AGENTS:

SANGERS, 258 Euston Road, LONDON.**Dr. Dralle's
Birch Water**

Celebrated Lotion for the Hair.

The prices are fixed for
No. 103 price 20/- doz. Retail ... 2/6
No. 104 " 40/- " " ... 5/-
1 Litre Bottle 9/- " ... 14/6

Grand Prix St. Louis, 1904.

" " Milan, 1906.

Wholesale:—
OSBORNE, GARRETT & CO., LONDON.**Charming
Novelty!****DRALLE'S
Lily of the Valley-Illusion.
IN LIGHTHOUSE.**It is an ethereal essence without alcohol,
so highly concentrated that the smallest
drop will produce the sweet scent of the
Lily of the Valley true to nature and
never previously produced. Beats all
previous records in perfumery.

Price 27/- doz. Retail 3/6

" 78/- " " 10/-

Ask for Free Sample.

Sole Agents for the United Kingdom & British Colonies:

RAAB & SONS, 25 Mil'lon Street, London.**A new Invention of Great Utility.
"LUTON" HAT DYES**

No Gloss. No Polish. Dry at once. Resist rain.

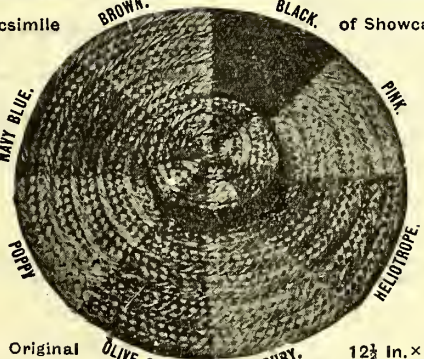
Facsimile

BROWN.

BLACK.

of Showcard.

NAVY BLUE.



Original OLIVE GREEN. RUBY. 12½ In. x 10 In.

In bottles, 6d. each, in separate neat cartons, with suitable brush

These Dyes are a distinct invention, dying the straw
without an objectionable varnished appearance, and
producing the effect of new goods.

Write for terms and patterns:

WHITAKER & CO.

Colour Works, KENDAL, ENG.

SPECIALISTS IN VARNISHES, STAINS, DYES, &c. ESTD. 1878.

Colonial Testimonial—"Your 'Lutons' have really come up to the
mark."—Geo. H. Langton, Port of Spain, Trinidad.**AS SUPPLIED TO H.M. THE KING.
THE "HYGIENE" LAMP**
(Patented at Home and Abroad.)

DISINFECTING

OR PERFUMING

MOST
ECONOMICALIN
USE.For purifying or perfuming the air in Public Halls, Private
and Business Houses, Sick Rooms, &c., and for destroying
Microbes, Germs, Insects and Parasites by means of Formal-
dehyde Vapour.Favourably mentioned by the "Lancet" and the "British
Medical Journal," awarded the Certificate of the Incorporated
Institute of Hygiene, and recommended by leading London
doctors.**RETAIL PRICES.**Hygiene Lamps ... 5/6 each, 63/- dozen
" Concentrated Antiseptic Fluid ... 1/- per bottle
" Perfumed Fluid ... 1/6Trade discount, 33½%. Orders for £1 and upwards, carriage
paid in U.K. 5% allowed for cash or 2½% monthly.**Obtainable from all Wholesale Houses.**Pamphlets and showcards post free on application from
Manufacturers**ROBERTS, CORNFORD & CO.**
8a CITY ROAD, FINCHBURY SQUARE, LONDON, E.C.

The number of dentifrices is myriad, their names are legion,

But—

in principle and in efficiency there is but one,

CALOX

THE OXYGEN TOOTH POWDER.

Its principle is the evolution of oxygen.

Its efficiency as a cleanser of the teeth is due to the oxygen which it generates when used.

Not only antiseptic, but deodorant, two desirable properties of a tooth powder. Its oxidizing and deodorizing power was obvious in our experiments.—THE LANCET, London, Eng.

Possesses not only strong antiseptic, but deodorizing and oxidizing properties, as the result of which the teeth, after a few days' use of CALOX, acquire a pearly whiteness.—THE CHEMIST AND DRUGGIST, London.

CALOX is entirely different from other dentifrices. Its introduction marks a decided advance in the scientific development of a dentifrice, a fact which the dental profession the world over has been quick to recognise. Chemists should interest themselves in Calox because only a chemist can explain the peculiar virtues and value of an oxygen-producing dentifrice.

Price to the trade, 9/6 per dozen on the P.A.T.A. plan.

McKESSON & ROBBINS, New York, U.S.A., Manufacturers.
BRITISH DEPOT—A. C. WOOTTON, 14 Trinity Sq., Tower Hill, London, E.C.



BIDWELLS' GOLD MEDAL TOOTH BRUSHES.

ILLUSTRATED CATALOGUE FREE ON APPLICATION.

HEAD OFFICE AND FACTORIES: **AXMINSTER, DEVON.** ESTD. 1839.

W. R. TILBURY & CO.'S

IMPROVED HYGIENIC



TOOTHBRUSHES

Penetrate Everywhere.

IN THREE SIZES.

HACKNEY, LONDON

SUPPORT HOME INDUSTRIES.

Estd. 1777.



Incd. 1900.

BUY

KENT'S BRUSHES.

Winter Issue, 1909, pp. 86, 87.
Diary, 1909, pp. 46, 47.

Locking Band



Finest and Simplest
... AIR-TIGHT ...
CANISTERS in the World.
(PATENT.)

Closed



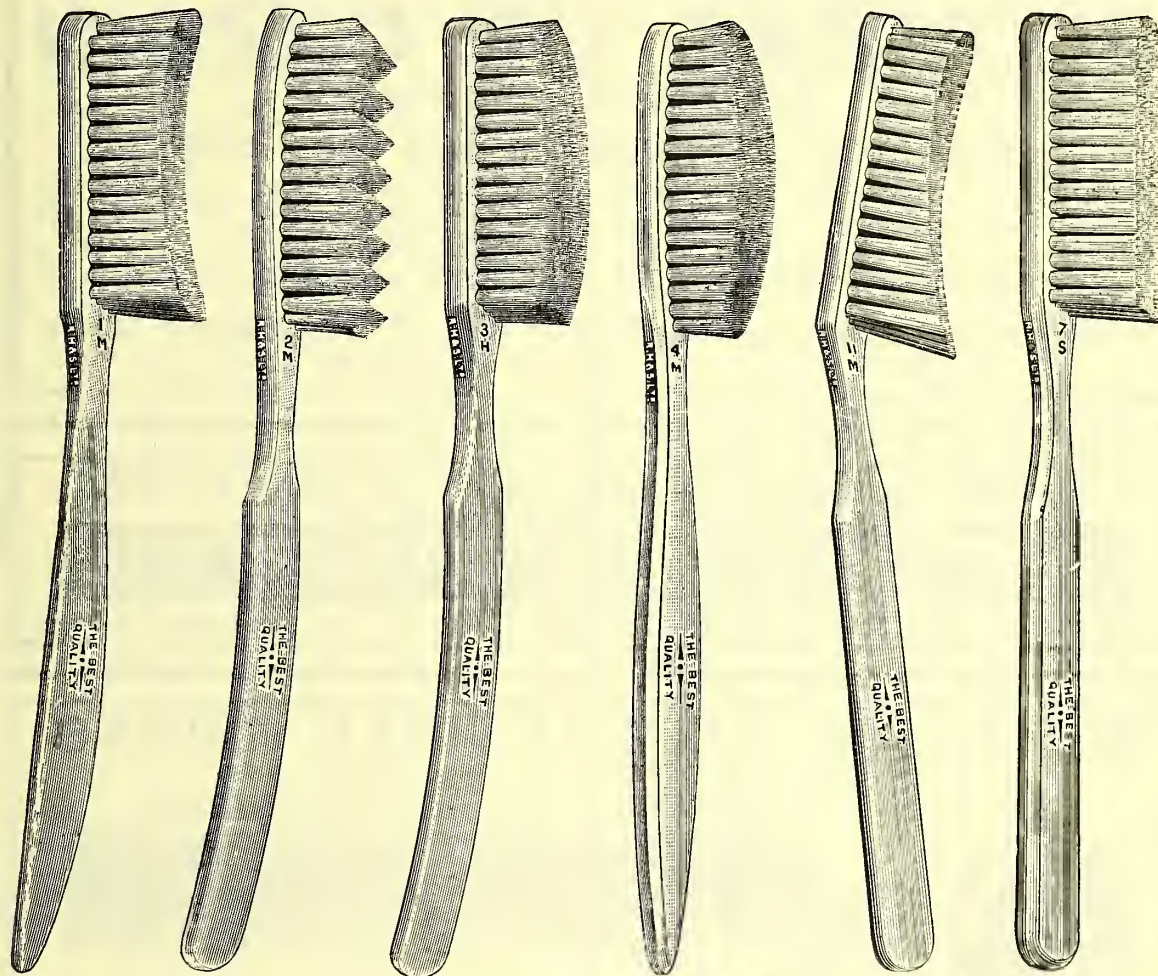
Specially suitable for
Infants' Food, Malt Ex-
tracts, Health Salines,
Ointments, etc., etc.

Full Particulars from the
'So e Licensees—

SHIRLEY BROS. Ltd.
Whitecross Works,
ROCKINGHAM ST., S.E.

Hovenden's Tooth Brushes.

BEST QUALITY. ENGLISH MADE.



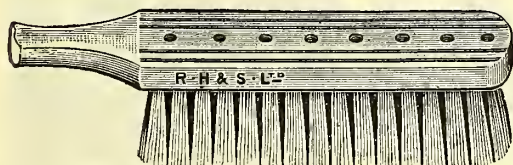
6/- DOZEN, OR 69/- GROSS.

Stamped with Customer's Name and Address FREE on orders of 1 gross.

Twelve Different Patterns in a gross, six of which are shown in above illustrations; assorted in textures—Hard, Medium, and Soft; waxed backs, 4 rows, highly finished goods.

THE HYGIENIC TOOTH BRUSH.

ASSORTED PATTERNS.



1st quality	...	6/- per doz.	...	69/- per gross
2nd	„	5/-	„	58/-
3rd	„	4/3	„	50/-

Subject to 2½ per cent. Cash Discount.

Our MONTHLY ILLUSTRATED LIST can be had on receipt of business card.

R. Hovenden & Sons, Ltd. 29, 30, 31, 32 & 33, BERNERS ST., OXFORD ST., W.
Telephone No. 3021 Gerrard (2 Lines).
85, 89, 91, 93 & 95, CITY ROAD, FINSBURY, E.C. (Tel. No. 1648 London Wall.) LONDON.

LAVONA DE COMPOSÉE AND FLOWERS OF OXZOIN

ARE REDUCED IN PRICE

TO-KALON PERFUME (French Fon Fleur)

is now put up in 2 dram as well as 1 oz. bottles.

Obtainable from all the Leading Wholesale Houses.

ALL OUR GOODS ARE ON THE P.A.T.A. LIST.

TO-KALON MANUFACTURING CO.

Albion House, 61 New Oxford Street, London, W.C.

TO USERS and DEALERS in METH. SPIRIT and SPIRIT OF WINE.
FOR QUOTATIONS apply to—

PRESTON'S LIVERPOOL DISTILLERY CO., LD.

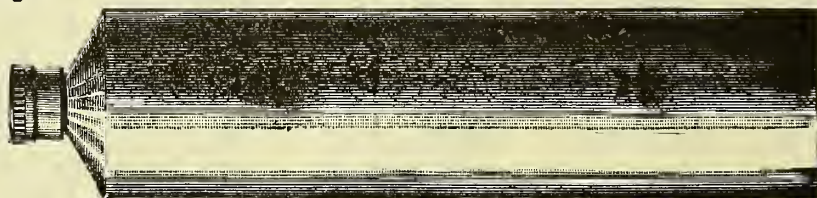
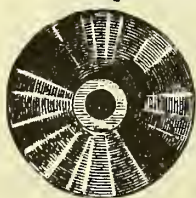
The Largest Makers in the Kingdom.

BANKHALL DISTILLERY, SANDHILLS, LIVERPOOL. Office: 4 India B'ngs, Water St., Liverpool.

METALLIC COLLAPSIBLE TUBES

For Paints, Perfumes, Shaving Creams, Soaps, Oils, &c.

Speciality: COLOURED and ORNATE TUBES.



SAMPLES AND PRICES ON APPLICATION.

L. LUMLEY & CO. Ltd., 1 America Square, LONDON, E.C.

"B.&K."

BRAND

OTTO

OF

ROSE

GUARANTEED PURE. DISTILLED BY
BONTCHEFF & KIDOFF OF KAZANLIK

SOLE AGENTS IN THE UNITED KINGDOM

Fredk. Boehm Ltd

16 Jewry Street, London, E.C.

Wholesale Quantities only.



Corn Plasters

PILOT BRAND.



Our plasters are noted for quality and efficacy.

Supplied on seven different materials.

Standard sizes put up in neat envelopes with name and address.

OUR Corn Strap Rings

No. 618. P.A.T.A.

The ideal & best selling Corn Remedy.

We can make up private formulæ and meet any special requirements.

Cut any size with overlapping muslin to suit customers' own envelopes, put up in wax paper bags.

Own matter printed on packings if desired.

P. BEIERSDORF & CO., 7/8 IDOL LANE, LONDON, E.C.

Stock the articles which
your customers require
—and will ask for again.
Among these

CALVERT'S Carbolic Tooth Powder

occupies, of course, a prominent position all over the world.

And there is a good demand too for the other specialities, Carbolic Soaps, Ointment, Disinfectants, &c., made by F. C. Calvert & Co., Manchester, England.

Illustrated Price List post free on request.

A Safe and . . . Profitable Seller.

The

ARTIFEX



Soft Rubber Hair Waver and Curler

will now be in greater demand than ever as a result of the extensive advertising we are putting out. Stock up well in readiness.

Especially to be recommended on grounds of cleanliness, safety, comfort, simplicity, & beautiful effects.

A profitable side line, advertised to retail at 1/- per set; protected at minimum of 10d. Trade price, 7/- per box of one doz. sets. Instructions for use in all languages.

Continental Wholesalers — Paris: A. Destombes, 8 Rue Camille, Tahan. Vienna: Maison Pessl, Kärntnerstrasse 28. Warsaw: L. Burghard, Parfumerie. Germany: Hermann Meyer, Kopphansstrasse 4, Colmar. Lisbon: Robert & Robert, 32 Rua Nova da Trindade 34. Madrid: Louis Ponjade, Gloria de atocha 8. Milan: Arturo Guzzi, 17 Via tre Alberghi. Christiania: D. Steen.

Very handsome and artistic showcards free on application. Electros lent free of charge.

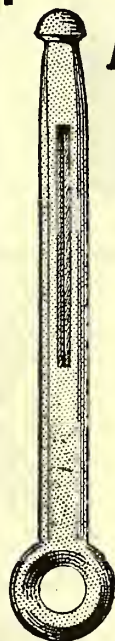
List of Wholesale Houses stocking the "Artifex" sent promptly on request to Sole Licensees & Makers:

MERKHAM TRADING CO.

(Dept. C).

Ltd.

9 Southampton St., High Holborn, London, W.C.



EVERY GENUINE PACKAGE



BEARS THIS LABEL.

EWEN'S LARD

is the
ONLY LARD
that
is made exclusively
for Pharmaceutical
and Perfumery
preparations,
and is the

**BEST AND
MOST RELIABLE**

Guaranteed B.P.
Lard on the Market.

ENCOURAGE BRITISH INDUSTRIES.

WOODS'

ARECA NUT TOOTH PASTE (P.A.T.A.)

In Pots and Collapsible Tubes, 6d. and 1s. each.

SOLD BY ALL WHOLESALE HOUSES.

Special Terms for £5 from the Proprietors—

W. WOODS & SON, Chemists, PLYMOUTH.

Woods' Areca Nut Tooth Powder, containing all the properties of the Paste, in 6d. and 1s. Tins.



**STIPENDUM
CORK
STOPPERS**

In
all sizes
suitable for
**KALIS, CITRATES,
DISPENSING, and all
FLUIDS.**

**STIPENDUM
COVERED POTS**

**THE BEST FOR FACE AND TOOTH POWDERS,
PASTES, AND OINTMENTS.**

GREASE PROOF.

For Samples and particulars apply to
... The ...
Stipendum Stopper Co.
1 Newman Street,
LONDON, W.
Tel. No. 3769.
GERRARD.

Awarded
GOLD MEDAL
Universal Exposition
Saint Louis
1904

LISTERINE

The popular American antiseptic

A non-toxic antiseptic of known and definite power; prepared in a form convenient for immediate use; of ready dilution, slightly, pleasant, and sufficiently powerful for all purposes of asepsis—these are advantages which Listerine embodies.

The success of Listerine is based upon merit, and the best advertisement of Listerine is—Listerine.

LISTERINE DERMATIC SOAP

Designed to meet the most exacting requirements of a saponaceous detergent for use in the antiseptic treatment of diseases of the skin. No animal fats, and only the best vegetable oils enter into its composition, and of these, it contains a surplus, "superfatted." It is a bland, unirritating and remarkably efficient soap.

*Literature may be had upon application
to the Manufacturers—*

LAMBERT PHARMACAL CO., St. Louis,
U.S.A.

BRITISH TRADE SUPPLIED BY
S. MAW, SON & SONS, 7 to 12 Aldersgate Street,
London, E.C., General Agents for Great Britain.

BOXES

18 ESTABLISHED 39

ROUND, OVAL, SQUARE, or FOLDING, for the
DRUG, DRYSALTRY, AND CONFECTIONERY TRADES.

LABELS, WHEN PRINTED TO OUR INSTRUCTIONS, WE PUT ON PILL
AND OTHER BOXES FREE OF CHARGE.

BOXES AND CASES FOR

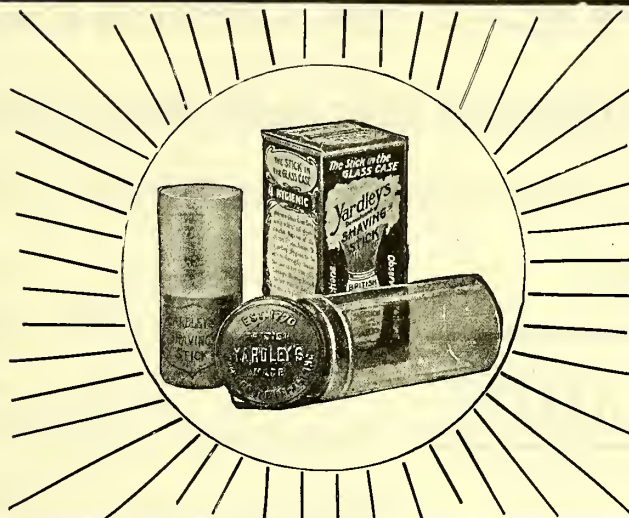
Baking Powder, Black Lead Bottles, Camphor Ball, Capsules, Castor Oil, Cough Lozenges, Dispensing Powder, Eye Ointment, Fancy Boxes, Fullers' Earth, Folding Boxes, Glass Top Outers, Homœopathic Bottles, Insect Powders, Ink Cases, Jewellery, Lozenge, Lip Salve, Magnesia, Metal Paste, Marking Ink, Nipple Shields, Night Lights, Parcel Post, Pastilles, Pills, Potash Tablets, Plasters, Salt Lemon, Seidlitz Powder, Starch Gloss, Soaps, Soda Powder, Syringes, Tapers, Tooth Powder, Violet Powder, &c.

ROBINSON & SONS, LIM., WHEATBRIDGE MILLS,
AND HOLMBROOK WORKS, **CHESTERFIELD,**
And 55 FANN STREET, ALDERSGATE STREET, LONDON.

THE SUN OF RECENT PRODUCTIONS.

SPECIAL
BONUS
OFFER.

**JUNE AND JULY
ONLY.**



**FOURTEEN
TO THE
DOZEN.**

Your Outlay - 18/11

Your Yield - 42/-

Your Profit - 23/1

A good supply of
Advertising Matter free.
(P.A.T.A. LINE.)

Yardley's Shaving Stick. "The Stick in the Glass Case."
MAY WE SEND YOU THREE DOZEN?

YARDLEY & CO., Ltd., Toilet Soap Specialists, **Stratford, London, E.**
Established 1770.

OTTO OF ROSE

Guaranteed Absolutely Pure.

S. SERAPHIMOFF & CO., KEZANLIK, BULGARIA.
Distillers of Pure Essence of Rose, Estab. 1880.

GOLD MEDAL, PARIS, 1900. GOLD MEDAL & DIPLOMA OF HONOUR, LIEGE, 1905. GRAND PRIZE, MILAN, 1906. GRAND PRIZE, LONDON, 1907.

Sole Agents: E. N. FRANKENSTEIN & CO., Ropemaker St., Finsbury, London, E.C.

SYNTHETIC

OTTO of ROSE

"TIGER" BRAND.

ALMOST

Wholesale only from:—

REITMEYER & Co.,
63, Crutched Friars, London, E.C.

**Equal to the
Natural Otto.**

MENLEY & JAMES, Ltd.

Menley House, 39 Farringdon Road, London, E.C.

are now introducing to the Medical Profession

GLIDINE = = (A pure Vegetable Protein Food). Retailing at **2/9** and **5/-** per tin.

IODOGLIDINE (An organic Compound of Iodine with pure Vegetable Protein.) Retailing at **3/-** per phial of 20 tablets.

LAXOL = = (Castor Oil made palatable). Retailing at **1/1½** per bottle.

Price List will be sent on application.

"SOLAZZI" LIQUORICE JUICE

THE CHEMISTS' BRAND.

'The Lancet' says: 'Of Standard Purity.'

Recommended also by 'The British Medical Journal,' 'Health,' 'The Chemist and Druggist,' 'Food and Sanitation.'

ASK FOR SHOWCARDS AND HANDBILLS. To be obtained of all Wholesale Houses.

LOFTHOUSE & SALTMER, Wholesale and Export Drug Merchants, Manufacturing Chemists, HULL,

Offer the Trade the following valuable P.A.T.A. Protected lines, bearing a very large Protected Retail Profit, which sell freely and are well known and valued by the Public in many parts of the Country.

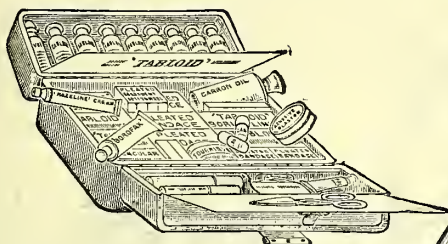
		PROTECTED RETAIL PRICE.	DOZEN.			PROTECTED RETAIL PRICE.	DOZEN.
LOSALL'S SALT (well advertised), tins	...	6d.	...	PREPARED BARLEY ("Crown Brand.")	...	...	...
" " " bottles	...	1/-	...	Usual 1/- size, lever lid tins. A good selling line	...	4/-	net
" in cartons	...	1/6	...	MALTED FOOD. Usual 1/- size, lever lid tins. Buyer's name and address printed free on 3 dozens. Special design label, name and address, on gross orders if desired	...	4/6	.
LOSALL'S MILK FOOD, oblong tins	...	3d.	...	LOSALL'S FOOT-ROT OINTMENT, enamelled tins	...	1/-	...
1/- size. Ideal Food for children and adults	...	...	...	
FINEST HYGIENIC FIRST MILK FOOD	...	1/-	...				
" Crown Brand," specially adapted for infants from birth to 3 or 4 months, tins 13	...	...	...	

Chemists taking up the above really valuable, large profit-yielding lines, will find them an important adjunct to their business.

London Agents: F. NEWBERRY & SONS.

If you want close up-to-date Quotations for superior and approved Counter Specialities, and for Pure Drugs, Chemicals or Pharmaceutical Preparations, don't fail to write to

LOFTHOUSE & SALTMER, Wholesale Druggists, HULL



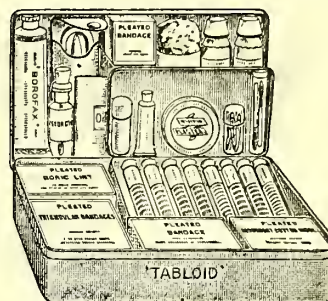
No. 702 'Tabloid' First-Aid
(Registered)

Contains *eight* tubes of 'Tabloid' and 'Soloid' Brand products, 'Borofax,' 'Hazeline' Cream, Sal Volatile, Carron Oil, 'Tabloid' Bandages and Dressings, scissors, pins, etc., etc.

Measurements: $7 \times 6\frac{1}{2} \times 2\frac{3}{4}$ in.

In Rex Red, Royal Blue or Brewster Green Enamelled Leather

Retail
50/-



No. 715 'Tabloid' First-Aid
(Registered)

Contains *eight* tubes of 'Tabloid' and 'Soloid' Brand products, Sal Volatile, 'Borofax,' Carron Oil, Plaster, Protective Skin, 'Tabloid' Bandages and Dressings, scissors, pins, etc.

Measurements: $7\frac{1}{2} \times 4\frac{1}{2} \times 2$ in.

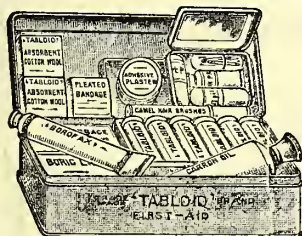
In Rex Red, Royal Blue or Brewster Green Enamelled Metal, or in Aluminised or Black Japanned Metal

Retail
10/6

TRADE
MARK
'TABLOID'
BRAND
FIRST-AID

FOR

Automobilists Aeronauts
Sportsmen Travellers
Yachtsmen and others



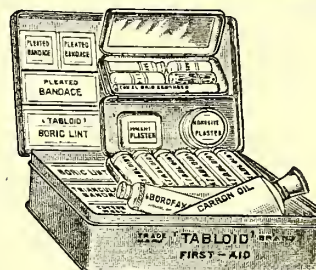
No. 707 'Tabloid' First-Aid
(Registered)

Contains *six* tubes of 'Tabloid' and 'Soloid' Brand products, 'Borofax,' Carron Oil, 'Tabloid' Bandages and Dressings, pins, etc., etc.

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THERE is but one Summer Issue of THE CHEMIST AND DRUGGIST yearly, and that for 1909 falls to be published on Saturday, July 31. The occasion will be exceptional in respect to the fact that it will commemorate in a fitting manner the Jubilee of the foundation of THE CHEMIST AND DRUGGIST. The arrangements for this have been in progress for some time, and we predict that the Issue will stand out as one of the most artistic of our Summer Issues—a fitting souvenir of a unique occasion in the annals of British pharmacy. It will be one which every business-house connected with pharmacy, the drug and chemical trades, and allied industries and manufactures should not miss advertising in. We may remind them that circulars and price-lists can be received for insertion in the Issue as insets, so that they may be delivered to the best buyers at home and abroad.

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Summary.

The subjoined paragraphs give the gist of the more important matters in this issue, with the object of showing at a glance what has happened during the week. See also "Contents" in the first column.

THE various chemical factors which determine the quality of tea are the subject of a note on p. 957.

AN abundant opium-crop is reported in Turkey and fore-shadows a reduction in the price of morphine (p. 948).

MR. THOMAS BATESON, of Kendal, a former member of the Pharmaceutical Council, died last Saturday (p. 954).

FUNDS are wanted to promote the return of a pharmacist to Parliament on the conditions which are reported on p. 943.

ANOTHER interesting and valuable contribution on how chemists should do business in agri-horticultural preparations is printed on p. 962.

CAPE CHEMISTS fared better than they expected in their interview with the Colonial Prime Minister about the stamp-duty on medicines. The matter is to be carried further (p. 936).

MESSRS. WRIGHT, LAYMAN & UMNEY are offering 6 per cent. preference shares in their business (including Wright's Coal-tar Soap) for public subscription. For particulars see p. 942.

"PERFECTION" as a trade-mark for soap is not capable of registration. So Mr. Justice Swinfen-Eady has decided in the Crosfield case, thus supporting the Registrar of Trade-marks (p. 939).

WE give particulars of a new Anæsthetics Bill which is to place registered dentists on the same footing as medical men in the matter of anæsthetics administration. The Bill will not pass this Session (p. 944).

SIR JAMES DEWAR's researches on helium and radium at low temperatures have carried our knowledge a few steps further. His lecture on the subject at the Royal Institution last week is reported on p. 952.

ALL employers and employés who hold responsible positions should read the case reported on p. 939, in which an effort was made to restrain a chemist from using the knowledge he had acquired in a particular situation.

THE BRITISH PHARMACEUTICAL CONFERENCE circular with reference to the Newcastle meeting is referred to on p. 948. We give the second of the series of articles on the Northern city, which is illustrated with interesting pictures (p. 950).

WHAT is "a regular apprenticeship" as expressed in the Medicine-stamp Act, 1812? The Board of Customs and Excise say it is an indentured apprenticeship, and they prosecuted the son of a chemist who sold a known, admitted, and approved remedy unstamped. The prosecution failed (p. 940).

"XRAYSER" indulges in some interesting observations on Hanbury medallists, consequent on this year's award to Professor Tschirch, and from this he proceeds to chaff us about "the new phase," and reflect upon financial prospects in medicine, Mr. Lawson-Tait's royalty on beds, and the International Congress mystery—of which he hazards an ingenious explanation (p. 945).

THE advances in menthol and Japanese peppermint oil are again the features of the week. Glycerin has further advanced, and even higher prices are predicted in view of the extreme scarcity of crude. Ergot and pimento are firmer. Foreign citric and tartaric acids are easier, and chrysarobin is lower. Excessive supplies of new and second-hand drugs were offered at auction (p. 958).

MR. RICHARDS, to whom the agri-horticultural poisons campaign is due, is now telling those who cannot get licences under Section 2 of the new Act that they may get their orders executed through manufacturers. We question this proposition, and suggest that the new Act imports fresh considerations into this matter which cannot be ignored. If the law as it stands be strictly enforced, such transactions as Mr. Richards describes should be impossible (p. 947).

THE ADDITIONAL SPIRIT-DUTY is not having a smooth time. Questions to the Chancellor of the Exchequer and amendments of his proposals are becoming prominent, as a glance at pp. 943-4 will show. These aim at a rebate of the additional tax, and what this means and how it may be carried out are fully explained in our first Editorial note, beginning on p. 946. Our latest information is that the Chancellor does not see his way to establish such a rebate in connection with alcoholic spirits used in making medicines owing to "serious difficulties" (p. 947).

English and Welsh News.

Local Newspapers containing marked items of news interesting to the Trade are always welcomed by the Editor.

Brevities.

The off-licence attached to the business at 73 High Street, Gravesend, has been transferred from Miss Perry to Mr. T. Johns, chemist and druggist.

The half-yearly meeting of the Drug Club was held at Cannon Street Hotel on Tuesday afternoon, June 15, Mr. John C. Umney, F.C.S. (President), in the chair.

Mr. J. T. Hayward, an Army pensioner, has been appointed as dispenser by the West Ham Guardians, at a salary of 100*l.* a year, with partial rations, and rising to 120*l.* per annum.

The Holborn Guardians decided on June 16 to increase the salary of Mr. Norman Colbeck, chemist and druggist, dispenser at the Highgate Infirmary, from 150*l.* to 160*l.* per annum.

Messrs. Corfe & Sons, chemists, 5 Gabriel's Hill, Maidstone, had an unusual kind of window-smash on June 9. A horse slipped while proceeding down the hill and consequently precipitated itself through the window.

On June 3 the Leicester Pharmacy Athletic Club played the Y.M.C.A. at the Old County Ground, Aylestone Park, Leicester. Y.M.C.A. batted first and made 82. The Chemists' score was 37. On June 10, however, the Chemists fared better, their opponents being the Leicester Postmen. The latter batted first and made 56, whilst the Chemists scored 136.

A destructive fire occurred on the premises of Mr. J. Fraser, chemist, 6 High Street, Hampton Wick, on Tuesday forenoon. Mr. Fraser was in his cellar when he heard an explosion, and, on going up into his pharmacy, found it was well alight. The alarm was given, the fire-brigade put out the flames in a short time; but damage to the extent of about 700*l.* was done.

The Board of Agriculture and Fisheries have issued a warning that an outbreak of bee-disease, believed to be identical with that which has occurred in the Isle of Wight, is reported from Buckinghamshire. No remedy is known for the disease, which is caused by a bacillus resembling the bacillus of plague. Where bee-keepers find symptoms of the disease they should communicate with the Board of Agriculture, 4 Whitehall Place, London, S.W.

At Huddersfield on June 9, the charge against Mrs. Eliza Brook of having obtained 1*s.* by false pretences from Mr. C. H. Swift, chemist and druggist, Fartown Bar, was dismissed. Prosecutor stated that defendant tendered a florin for a 2*d.* tablet of soap, and subsequently said she had received only 10*d.* change. Witness, although satisfied that he had given her the right amount, gave her another shilling to avoid unpleasantness. An assistant to Mr. J. B. Wood, chemist and druggist, Lockwood, deposed that defendant obtained 1*s.* by the same means. The Bench gave accused the benefit of the doubt.

Co-operators and Income-tax.

The Association of Chambers of Commerce recently resolved that co-operative societies should be assessed for income-tax, and addressed the Chancellor of the Exchequer on the matter. Mr. Lloyd George has caused the following reply to be sent:

I am desired by the Chancellor of the Exchequer to point out that co-operative societies registered under the Provident and Industrial Societies Act are not exempt from liability to income-tax, but merely for administrative convenience and subject to certain conditions, from direct assessment under Schedules C and D. The exemption, therefore, is not from income-tax on profit, but only from the liability (which the Income-tax Acts impose on companies, etc.) to account for the income-tax on behalf of their shareholders.

This reply disposes of a commonly expressed fallacy.

Petroleum Committee.

At a meeting of this Departmental Committee, held at the Home Office on June 14, representatives of the Metropolitan Grocers', Provision-dealers', and Oilmen's Association stated that additional restrictions to prevent the sale of petroleum spirit in improper bottles are necessary. Mr. E. Chalk, goods manager of the London, Tilbury, and Southend Railway, stated that he considered the present railway methods as to carriage of petroleum spirit quite satisfactory, and that additional legislation on the subject is unnecessary.

A Semi-centenary.

Jacob Bell died on the 12th of June, and was interred in the Cemetery of Tunbridge Wells. Such a man's memory needs no monument; nevertheless we are pleased to find that, in commemoration of it, the Society have decided on the establishment of scholarships. We wish every success to the subscription list.—C. & D., September 15, 1859 (First Number).

The fiftieth anniversary of this death fell on Saturday last, and to commemorate the event and to pay tribute to a memory which is still green in British pharmacy the Tunbridge Wells and District Association of Pharmacists



decided to place a laurel wreath upon Jacob Bell's tomb. The weather was against a large attendance, but those present represented the district. They were Messrs. S. V. Booth (Divisional Secretary), H. Harris, A. E. Hobbs (Member of the Pharmaceutical Council), R. J. Sells, J. H. Bishop (President of the Association), and J. J. Webb (Hon. Secretary and Treasurer), who may be recognised by reading from left to right. The wreath bore the following inscription (after the name of the Association):

In loyal memory of devoted and unselfish work on behalf of his fellowmen, especially in the cause of pharmacy.—June 12, 1909.

Besides the above photograph another was taken of the monument and wreath by themselves, and we are asked to state that if any pharmacist would like a copy of the photo of the tomb, the same can be obtained upon application to the Hon. Secretary at the General Hospital, Tunbridge Wells.

National Cash-register.

A meeting of about 150 users of National cash-registers was held in the Law Association Rooms, Liverpool, on June 9, to consider what should be done by those who purchased registers prior to the reduction in prices. A committee was formed to deal with the matter, Mr. J. H. Glover, 60 Castle Street, Liverpool, being appointed solicitor to the committee. Mr. Glover was instructed to write to the National Cash-register Co. on behalf of Liverpool users, asking the company what they intend to do in order to place old customers in as favourable a position regarding the price of the cash-registers as buyers at to-day's prices. A meeting has also been held in Glasgow following upon a letter issued by Dr. David Beatson, 545 Gairbraird Street, Mary Hill; and Mr. W. Austin Brown, solicitor, 167 St. Vincent Street, Glasgow, has been appointed to act for persons who bought registers from the National Cash-register Co. prior to the reduction in prices, and who desire to test the validity of their contracts.

Birmingham Notes.

Sir Thomas Barclay (Southall Bros. & Barclay, Ltd.) and Lady Barclay have been taking part in a bazaar at Penrhos College, Colwyn Bay.

The Birmingham Health Committee are to wage war against flies, and the sale of fly-papers should increase. Stringent measures are to be adopted as to clearance of manure-heaps.

Mr. R. A. Groome, manager of the Birmingham branch of Camwal, Ltd., reports that the company have tried the principle of the Daylight Saving Bill at their Birmingham and Bristol works, and have found it to work smoothly, it being a great boon to the staff and employes to get off earlier in the evenings for recreation and enjoyment. Work is commenced one hour earlier each day and left off one hour earlier each evening, and this will continue until the end of September.

"Just as Good" as a Chemist.

During the Hackney Coroner's inquiry into the death of a carpenter's child last week, Mrs. Mary Ann Brierley, of Wick Road, London, N.E., the widow of a carman and contractor, said she was the proprietor of a chemist's shop which had been referred to. She was not really a chemist, but was "just as good as one, as she went up for her examination and just failed." Her father was a chemist, she said, and his name was over the shop door. He also called at her shop every morning. The business was not really a chemist's, as she did not sell poisons. Possibly she sold the medicines given to the baby—a cough-mixture and ipecacuanha-wine—because they were asked for. The Coroner remarked that there is no law to prevent a woman selling harmless drugs. Dr. A. S. Dawson deposed that death was due to broncho-pneumonia; and in such a case ipecacuanha was one of the worst drugs to give. A verdict of death from natural causes was returned.

Sale of Food and Drugs Acts.

In St. Pancras one sample each of camphorated oil and glycerin have been examined and returned as genuine.

The Rotherham analyst examined during the past quarter one sample each of castor oil and glycerin with satisfactory results.

The Wandsworth analyst reports that the following samples were all genuine: Ground ginger 3, pepper 1, milk of sulphur 1, mustard 1.

At Walsall of four samples of camphorated oil, one taken informally proved to be 39 per cent. deficient in camphor. No proceedings were taken.

The Stepney analyst states that the following samples were examined during the quarter: Mustard 2, milk of sulphur 2, pepper 3, ginger 1, arrowroot 1, lime-water 1. All were genuine except the lime-water, which was 75 per cent. deficient in lime. The vendor was fined 10s., with 10s. costs.

The City of London analyst reports that during the past month of five samples of beeswax examined two contained 55 and 65 per cent. of paraffin wax, while one of five samples of mustard contained wheaten flour coloured with turmeric. Six samples of crushed linseed and two of olive oil were also examined.

In his report for the year 1908, the public analyst for Portsmouth (Mr. F. W. F. Arnaud, F.I.C.) states that fourteen out of sixty-eight samples of drugs were reported against. Of twenty-eight samples of camphorated oil, seven were 29.5 to 80 per cent. deficient in camphor, and two of the deficient samples were also adulterated with mineral oil. One out of eight oxymel of squill samples contained 25 per cent. of cane sugar, while two of seven samples of tincture of iodine were made with methylated spirit. Of six samples of lime-water four were 15 to 30 per cent. deficient in lime. The remaining drug-samples—potassium iodide and bromide (6), saffron (6), glycerin (5), opium (1), and syrup of iodide of iron (1)—were returned as genuine. The vendor of one sample of camphorated oil was fined 2l., with 15s. costs, and four others were cautioned. Letters of caution were also sent regarding two samples of lime-water. A prosecution regarding a methylated tincture of iodine was dismissed. The other deficient samples not mentioned were test samples.

Contracts.

Bedford Borough Education Committee.—Mr. A. Hill, 18 Grafton Road, Bedford, appointed chemist for six months.

Chipping Norton Guardians.—Mr. H. W. G. Morris, chemist and druggist, High Street, Chipping Norton, for the supply of disinfectants.

Northern Lights.

The principal members of the home and foreign staffs of Messrs. Fletcher, Fletcher & Co., Ltd., Holloway, N., were entertained at dinner by the governing director, Mr. F. W. Fletcher, F.I.C., at his residence, "Windmill," Enfield, on Tuesday evening, the occasion being a recognition of the services of Miss Wells, who during the past fourteen years has been head of the statistical department of the firm, and is now about to be married. The company included Mr. F. Bascombe and Captain Usher (directors), Mr. C. W. White (Bombay), Mr. A. L. Potter (Sydney, N.S.W.), Mr. C. H. Allen (who represents the firm in the Far East), Mr. William Mair, F.C.S. (the *doyen* of the home representatives), and the heads of various departments. In the course of the evening Mr. Fletcher referred to the splendid work Miss Wells had done, and in wishing her all happiness presented her with a fine Bechstein piano, bearing a silver-gilt plate and an inscription recording the company's appreciation of her services. This was acknowledged by Mr. Masham, her *fiancé*. Thereafter Mr. Bascombe toasted the Colonial and foreign representatives, and Mr. Potter, Mr. White, and Mr. Allen replied; while later Mr. Mair acknowledged the toast of "The Home Staff," submitted by Captain Usher, all the speeches reflecting the harmony existing in the business and its progress. It was mentioned in the course of the evening that the company is now building extensive new works in the North of London, the business having completely outgrown the premises in the Holloway Road, although these have been added to from time to time within recent years. A most enjoyable evening concluded with the toast of "The health of the Host and Hostess," to which a very hearty response was given, and all then joined in "Auld Lang Syne."

Sale of Potassium Cyanide.

At the Westminster Coroner's Court on June 16, Mr. John Troutbeck held an inquiry into the death of a Pimlico boarding-house keeper named William Bird (55), who committed suicide by taking cyanide of potassium. A medicine-bottle labelled "Cyanide of Potassium—Poisonous," was found under the mattress of the deceased's bed.—Mr. Abel Marr, chemist, of 204 Ebury Street, London, S.W., deposed that deceased obtained 1 oz. of cyanide of potassium "for cleaning gold lace." Witness handed a poisons register to the Coroner. The Coroner remarked that the person introducing the purchaser was given as Mr. Kingdon. Who was he? Witness: The manager of the shop, who was in charge. Witness had only been there a week. Deceased was known to him. Witness, continuing, said that he wanted to put the cyanide in a poison-bottle, but the deceased insisted on his own bottle being used, saying that he was going to use it at once. The Coroner, after remarking that witness was aware of the regulations regarding the sale of poisons, pointed out that Regulation III. under Section 1, provided that such a poison should be put into bottles distinguishable by touch from ordinary medicine-bottles. There was no intimation on this bottle that the contents were not to be taken internally; moreover, the only label showing what the contents were was partly off. The slightest accident to the label would have shown the word "Laudanum," and, curiously enough, under this label was a third and perfectly innocent one. Witness: Well, deceased insisted on having his own bottle. The Coroner: But he did not take it by force? Witness: Oh, no. Dr. Evans stated that death was due to cyanide poisoning. Mr. Troutbeck, in summing up, again referred to the conditions of sale. The jury returned an open verdict. The Coroner, in reply to a juror, said it was quite possible that the authorities would consider the circumstances regarding the sale.

The Week's Poisonings.

Eleven fatalities, including one misadventure, have been recorded with poisons during the week. William Bird

committed suicide at Pimlico by taking potassium cyanide.—Carbolic acid, self-administered, caused the death of Emma Martin (55), at West Dulwich; May M. Jenkins died at Abergavenny from the effects of the same poison, which was taken during a fit of depression; Maggie E. Davies (20), a domestic servant in the employ of Dr. Little, Wrexham, died on June 15 as the result of swallowing a quantity of the acid.—Florence E. Darling took oxalic acid, with fatal consequences, at Gillingham, while in a fit of temper. The same poison was used with suicidal intent by an out-of-work Deptford cellarman named Wm. Henry Kannoek (39).—Lieut.-Col. W. Chetwode Lloyd bought 2 oz. of Paris green from Mr. J. D. Morgan, chemist and druggist, Bideford, for spraying purposes. It appears that he subsequently took the whole quantity. The jury found that deceased committed suicide by taking arsenic.—A Woolwich labourer, named Harry L. Mitchell, swallowed spirit of salt to end his life.—The sixteen-months-old son of a Bolton carpenter obtained a jar of spirit of salt from his father's workshop and swallowed a portion of the contents with fatal results.—A cripple named Maude A. Dunstan took a quantity of spirit of salt while suffering from melancholia.—Ammonia was taken for suicidal purposes by Theodora Prince (23), housemaid, Calver.

Irish News.

Local Newspapers containing marked items of news interesting to the Trade are always welcomed by the Editor.

Dental Student's Complaint.

Mr. Myles Keogh applied to the Incorporated Dental Hospital of Ireland for admission to the hospital lectures at Lincoln Place, Dublin. His application was refused, and the Registrar's note to that effect was alleged by Mr. Keogh to be libellous. The result is that the King's Bench Division at Dublin had before them last week a case in which the hospital authorities, as defendants, asked that the plaintiff furnish full particulars of the publication of the alleged libel, or, in default, that the case be struck out. The Court reserved judgment.

Paying a Hospital.

In the Dublin Probate Court on June 14, Mr. Justice Andrews appointed the Registrar of the Royal Hospital for Incurables, Donnybrook, administrator of the estate of the late Michael Sheil, who died in the hospital in 1907 after having been there as a patient for ten years. At the time of Sheil's admission he signed a declaration that he was unable to pay for his support and had no near relatives. After his death it was found that he was entitled to property worth about 200*l.* The question arose as to whether the hospital, being a charitable institution, was entitled to recover the expenses of maintenance, but the Judge held that as Sheil would not have been admitted to the benefits of the hospital unless it was believed that he had no money the institution was entitled to claim against the assets of deceased.

Personal.

Mr. Patrick Cagney, pharmaceutical chemist, proprietor of the Sligo Drug Co., Stephen Street, Sligo, has opened a new pharmacy at 1 Castle Street in the same town.

At the general assembly of the Presbyterian Church in Belfast last week-end, Sir William Baxter, J.P., chemist and druggist, Coleraine, delivered an address on temperance.

Mr. J. E. O'Neill, J.P., chemist and druggist, Maghera, who is already Chairman of Magherafelt Board of Guardians, has now been elected Vice-Chairman of the Londonderry County Council.

At a meeting of the Fellows of the Royal College of Surgeons in Ireland, Sir Charles Cameron, C.B., was elected Secretary to the College for the ensuing year, and was also appointed a member of the examining body.

Mr. J. C. C. Payne, J.P., pharmaceutical chemist, 134 Dublin Road, Belfast, has been elected a vice-president of the Belfast branch of the National Society for the Prevention of Cruelty to Children, of which Mrs. Payne is a member of the committee.

Dr. Seymour Stritch, J.P., Governor of the Apothecaries' Hall of Ireland, was on June 11 presented with a piece of

plate on the occasion of his marriage. Colonel Adye-Curran presided, and the other directors present were Dr. Powell (Deputy Governor), Dr. Magennis, Dr. Delahoyde, L.A.H., Dr. Crinian, L.A.H., Dr. Delany, Dr. Hanrahan, L.P.S.I., Dr. Whelan, Dr. McWalter, M.P.S.I., Dr. Mason, and Dr. Evans. The Chairman said it was a unique circumstance to have the Governor of the Hall married during his year of office, although they had an unbroken record of men who had occupied that office during the last 150 years.

Montana Wax.

At a meeting of the Royal Dublin Society last week a lecture was given by Mr. Hugh Ryan, D.Sc., on the "Analysis of Waxes." A specimen of wax, known in Ireland as Montana wax, and said to have been obtained from peat, was stated by the lecturer to consist of a saponifiable portion composed of a montanic acid of higher molecular weight than crotonic acid, and an unsaponifiable part (an unsaturated substance). The constants and properties of the wax and its constituents were determined. The wax differs from peat wax and seems to be identical with lignite wax. A high-melting wax, known as montanin wax, and used for hardening wax candles, was found to be of similar composition, except that it contained about 24 per cent. of a soap (sodium montanate).

Guardians' Affairs.

The Omagh Guardians have been charged 13*s.* 2*d.* extra for medicines supplied on account of the increase in the spirit-duty. The Clerk had written to the Local Government Board and had been informed that the Guardians must pay the extra money if the contractors have themselves paid it.

The Waterford Guardians have been reminded by the Local Government Board that the quantities of medicines and appliances ordered for the Kilmackevogue dispensary appear to be in excess of the requirements. Dr. Mullany, the medical officer, is to be asked to explain.

The Mohill Guardians have accepted the drug tender of Messrs. Clarke & Co., Belfast. This has been done after pressure from the Local Government Board, the Guardians preferring to give the contract to Mr. Burns, "who," the Chairman said, "is courteous and kind, and the most satisfactory contractor the Guardians have ever had."

Meetings of Creditors.

At a meeting of the creditors of Mr. Wm. J. Boyd, registered druggist, 90 Albertbridge Road, Belfast, which was held on June 11, accounts were presented showing liabilities 700*l.* and the assets 80*l.* A trust deed is to be executed by the debtor for the benefit of the creditors, among whom are Messrs. T. McMillan & Co., Belfast (13*l.* 10*s.*), and Yardley & Co., London (11*l.* 15*s.*).

At a meeting of the creditors of Mr. Cornelius Mannin, pharmaceutical chemist, 2 Great Brunswick Street, and 110 Great Britain Street, Dublin, held in Dublin on June 10, an offer was made of 5*s.* in the pound in three payments spread over twelve months, the last instalment secured. It was unanimously agreed to accept this proposal. Among the creditors are:

W. T. Alexander, Manchester (41*l.* 15*s.*); Apothecaries' Hall, Dublin (11*l.* 10*s.*); Boileau & Boyd, Ltd., Dublin (15*l.* 15*s.*); Blundell, Spence & Co., Ltd., Hull (99*l.*); Lewis Berger & Sons, Ltd., London (19*l.* 15*s.*); F. Bristow & Co., Ltd., London (19*l.* 5*s.*); W. J. Bush & Co., Ltd., London, (12*l.* 15*s.*); S. Boyd, Dublin (15*l.* 15*s.*); George Carr & Sons, Sheffield (13*l.* 15*s.*); Cuxson, Gerrard & Co., Ltd., Birmingham (10*l.* 5*s.*); Carlisle & Cligg, Dublin (27*l.* 10*s.*); George Durant, Bristol (11*l.* 10*s.*); F. F. Fox & Co., Bristol (56*l.* 15*s.*); T. Guest & Co., Manchester (15*l.* 5*s.*); A. Gutmann & Co., London (11*l.* 5*s.*); George Finney (cash creditor) (70*l.*); W. Gossage & Co., Ltd., Widnes (11*l.*); J. & W. Hilton, Ltd., Manchester (19*l.*); Davy Hill & Hodgkinsons, Ltd., London (16*l.* 5*s.*); James & Co., Ltd., Newcastle-on-Tyne (50*l.*); George Kiernan, Dublin (16*l.*); J. & D. Macnair & Co., Glasgow (14*l.* 10*s.*); A. Macnair & Co., Manchester (16*l.* 10*s.*); Mathews, Maclay & Manson, Glasgow (15*l.* 10*s.*); McMaster, Hodgson & Co., Ltd., Dublin (75*l.*); Nobles & Hoare, London (34*l.* 15*s.*); Henry Prichard & Co., Ltd., Bristol (107*l.*); J. M. Smith & Co., London (29*l.*); Steiner & Co., London (11*l.* 15*s.*); Sissons Bros. & Co., Ltd., Hull (116*l.*); Ayrtton, Saunders & Co., Ltd., Liverpool (13*l.* 5*s.*); C. Turner & Son, Ltd., London (33*l.* 10*s.*); Tomlinson & Hayward, Ltd., Lincoln (40*l.* 10*s.*); S. Watchmann & Co., Dublin (17*l.* 5*s.*).

Scots News.

Local Newspapers containing marked items of news interesting to the Trade are always welcomed by the Editor.

Aberdeen and the North.

The chemists of Keith are to close their premises on Wednesday afternoons between two and six until the end of September.

Mr. Henry Milne, who recently disposed of his pharmacy, 198 King Street, Aberdeen, to Mr. Watt, has begun business as an optician at 193 King Street—just opposite his former pharmacy.

Mr. John Sharp, chemist, 66 Sunnybank Road, Aberdeen, is disposing of his business. He is at present sub-postmaster for the district. The postmaster has not yet appointed his successor.

The excursion season is on, and the pharmacists of Aberdeen and East Aberdeenshire are not to neglect the opportunity. They are journeying to Banff on Thursday, June 24, for a twelve-hours' excursion, which will afford ample time for sight-seeing and "rifle practice."

Edinburgh.

Mr. G. W. Mangan, chemist and druggist, has purchased the business of Mr. Reid in Newington Road. Mr. Reid is going abroad.

The employés and friends of Messrs. Harkness, Beaumont & Co., Leith, about fifty in number, held their annual picnic on Saturday, June 12, at Luffness.

Mr. George Bird, C.A., 17 Duke Street, Edinburgh, trustee of the sequestrated estates of the late John N. Spence, chemist, 29 Broughton Place, Edinburgh, intimates that there are no funds for division among the ordinary creditors.

The second botanical excursion of the Edinburgh Chemists', Assistants', and Apprentices' Association was to Blackford Hill on Friday, June 11, at 6 A.M., and was conducted by Mr. E. O. Rowland, an excellent morning's work being done before the shops opened.

Glasgow and the West.

Mr. John Shand, chemist and druggist, Lanark, sailed last week for Ceylon, to take up an appointment there.

Messrs. Hicks & Son, pharmacists, Rothesay, have purchased the business of Miss MacKirdy, Victoria Street, Rothesay.

The Bothwell Parish Council has been considering the supply of medicine to the outdoor poor, and decided not to interfere with existing arrangements except to suggest to the medical officers that wherever practicable a share of the supply should be given to the chemists in the districts.

The Glasgow and West of Scotland Technical College is advertising for a lecturer in pharmacy and materia medica, subjects which are to be added to the evening classes curricula of the College. It is stated that the classes are being established at the request of the Glasgow and West of Scotland Chemists' Association—a circumstance which has created considerable surprise, as many of the leading members of the Association knew nothing about the matter. The Technical College is a well-equipped institution, and it is presumed that the existing departments of botany, chemistry, and physics will, with the new departments, give a complete curriculum for the Minor examination.

Mr. James Grieve, pharmaceutical chemist, has joined the business of Messrs. Frazer & Green, Ltd., Glasgow, and will be admitted to the board of directors at their first meeting. Mr. Grieve was, until recently, some years in business on his own account in Oxford Street, London. He was apprenticed to the late Mr. D. Kennedy, Hawick, and his varied experience includes a term of years with the late Mr. W. Martindale, and two years in Continental pharmacy at Paris and Nice. Messrs. Frazer & Green, Ltd., have four pharmacies in Glasgow, the managing director of the company being Mr. J. W. Sutherland, Ph.C., to whose energies the present flourishing condition of the business is due. Mr. Sutherland is President of the Glasgow and West of Scotland Chemists' Association.

French News.

(From the "C. & D." Paris Correspondent.)

THE PRACTICE OF RADIOGRAPHY.—The question of regulating the practice of radiography in France appears to be nearing a solution. The special committee charged with examining the subject has sent in its report, and the matter is now before the Minister of Public Instruction, who is expected to give his decision shortly. It is understood that the committee recommend that only qualified doctors of medicine shall be allowed to exercise radiography in any medical or therapeutic form whatever. At the same time they do not consider it necessary to have a special examination for radiography. The report is of some interest, as a few years ago it was suggested that many pharmacists, especially in the provinces, would be competent to specialise in radiography.

A NOTABLE PORTRAIT OF A FAMOUS CHEMIST.—In the exhibition of a "Hundred Portraits" of English and French women, which is one of the attractions of Paris just now, one of the most remarkable is David's painting of Lavoisier and his wife (reproduced in the *C. & D.* some years ago). The life-work of the "Father of French Chemistry" is typified by the apparatus which surround the figures, while the collaboration of his girl-bride and the close union and sympathy which marked this interesting couple are charmingly expressed in this historical masterpiece of eighteenth-century art.

MEMORIAL TO LAMARCK.—The Jardin des Plantes in Paris was the scene of a pleasing ceremony last Sunday afternoon, when a statue to Jean Baptiste Lamarck, the naturalist, was unveiled. M. Fallières (President of the French Republic) presided at the ceremony, and he was supported by M. Domergue (Minister of Public Instruction), the Prince of Monaco, representatives of the Kings of Portugal and Bulgaria, Mr. White (the U.S. Ambassador), M. Edmond Perrier (director of the Natural History Museum), Professor Guignard (director of the Paris Inferior School of Pharmacy), and many other distinguished savants. M. Fagel, the eminent sculptor, has carried out the memorial in the form of a bronze statue of the scientist, who is well portrayed in a sitting attitude. The statue bears the inscription in French "To the founder of the doctrine of evolution," a tribute to Lamarck as the precursor of Darwin. M. Edmond Perrier and M. Guignard spoke eulogising the work of Lamarck, and M. Domergue also paid an eloquent tribute to the memory of Buffon, the naturalist, who gave Lamarck so much encouragement. A statue to Buffon has also been erected in the Jardin des Plantes.

ARMY PHARMACISTS.—Under the title of "The Army Pharmacists' 'Westminster Abbey'" the "Tableau d'Honneur" of the Val-de-Grâce Military Hospital—the slabs bearing the names of doctors and pharmacists who have died in active service—were described in the Summer Number of the *C. & D.*, 1898. M. Balland, the eminent military pharmacist, who was recently superannuated from his important post at the Paris Invalides, and whose hobby is pharmaceutical military biography, points out that these lists are very incomplete, so far at least as pharmacists are concerned. He mentions forty-two names which are missing from the list, which include twenty-four pharmacists who died of the plague during Napoleon's ill-starred expedition to the East—seven at Jaffa, ten at Alexandria, and others at Cairo, Gaza, etc. But even in Europe the death roll is a long one. Lelut, head pharmacist of Napoleon's glorious "Army of Italy," died of typhus at Nice in 1799—his predecessor, Muller, had fallen victim to the same disease five years before. In these "Armies of the Republic," which marched, as Victor Hugo tells us, "with fearless hearts and shoeless feet," the mortality was enormous, and the medical corps enjoyed no immunity, but suffered and died like their comrades. In proof of this, M. Balland publishes an interesting letter, written by General Menou from Cairo on September 24, 1800, regarding the hospitals. He found them on arrival in a "deplorable state," which was soon changed by the Sanitary Corps, commanded by Desgenettes, the famous Larrey and Boudet, head pharmacists. Over 100 officers of the corps died in hospital or were killed in battle.

South African News.

(From the "C. & D." Correspondents.)

Cape Colony.

CHEMISTS' DEPUTATION.—General satisfaction, not unmixed with surprise at their friendly reception, is expressed by the members of the deputation who waited on the Prime Minister, as mentioned in the report opposite. Contrary to expectation, the Premier, whose reception of several recent deputations has been distinctly cool, welcomed the members of the Pharmaceutical Society, and for upwards of an hour listened to their objections to the Stamp Act. While declining to accept either of their suggestions to repeal or suspend the Act, he promised to amend it with their co-operation, and that this is no idle promise is proved by the fact that the members of the deputation have been requested to meet the officials of the Treasury within a day or two to confer with them as to the present working of the Act. Many chemists are of the opinion that the deputation should have made more of the point of the competition of general dealers, and the likelihood of loss of revenue by the non-observance of the Act by such dealers, especially in country places. Mr. Crow was the only member who touched on this subject, and his arguments against the present schedule, and for a simpler one of 1*d.* in the shilling, or part of a shilling, are generally endorsed by the trade. The Premier was extremely scathing in his denunciation of some medicines which he mentioned by name, and his remarks have given great offence in certain manufacturing quarters. There is no doubt that the effect of the Pharmaceutical Society's action will be productive of good results, and, with one or two exceptions, the trade are thoroughly satisfied with the changes foreshadowed. The local Press have given considerable prominence to the matter, and the general public are taking more than average interest in the chemists' proceedings.

Transvaal.

PHARMACY BOARD.—The Board had little other than routine business to transact at the May meeting, held in Johannesburg with Mr. J. H. Dinwoodie in the chair. Messrs. John Miller Anderson and Alexander Paterson Tennant, chemists and druggists (Great Britain), were admitted to practise in the Transvaal. It was resolved that the thanks of the Board be conveyed to Messrs. Burroughs Wellcome & Co. for a gift of materia medica specimens for examination-purposes. Mr. Charles Keir was granted six months' leave of absence.

COMPLIMENTARY DINNER.—Mr. Charles Keir (Messrs. T. Jolly & Co.) was entertained to a complimentary dinner at the Trocadero, Johannesburg, on May 21, prior to his departure for England on a six months' holiday. Mr. B. Owen Jones, M.L.A., who presided, was supported by Mr. Austin Purnell (President of the Transvaal Pharmaceutical Society) and Mr. R. Q. Leeds (Lennon, Ltd.). Among the company were Messrs. J. H. Dinwoodie, J. R. Jones, R. Butlers, J. Johnstone, T. Jolly, A. S. Smith, L. Thomas, A. Cohen, A. W. Ashkanazy, J. Mitchell, A. Rennie, J. R. Colban, W. A. J. Cameron, A. Macdonald, J. W. Hull, E. L. Ralling, Wilson, H. Jolly, M. Walker Pole, D. S. Fleming, J. Christie, S. M. Hendry, R. McGeorge, R. Neilson, D. L. Behrman, W. B. Marshall, J. Crawford, and Geo. Washington. Mr. Keir left Johannesburg on May 24.

TRAPPING THE UNQUALIFIED ASSISTANT.—At Johannesburg on May 19, Jeremiah Nevesky was charged with selling poison without being a registered chemist, or, in the alternative, with selling a box containing poison not labelled to indicate the nature of its contents. Nevesky was employed by Mr. Cahn, a registered chemist, at a pharmacy at the corner of Fox and Bezuidenhout Streets. The evidence showed that accused supplied a plain-clothes constable, in answer to a request "for something to pull a person together," with a box of pills, after telling the constable to go to another store as Mr. Cahn had not arrived. The constable, however, replied that he had to go to work and could not wait for the other shop to open (it was then before 8 A.M.). The prosecutor (Mr. Cramer) stated that accused had been tested on four occasions before being trapped. A fine of 10*l.* was imposed.

Medicine-stamp Act.

A DEPUTATION from the Pharmaceutical Society of Cape Colony, consisting of Messrs. W. Froembling (President), W. E. Crow, A. E. A. Tothill, G. Cleghorn, and H. R. Peck, was received by the Prime Minister (Mr. Merriman) at Cape Town on Wednesday, May 19. The deputation was introduced by Messrs. J. W. Jagger and J. A. Greer, members of the Legislative Assembly, and its object was to urge repeal of the stamp-duty on medicines, or, alternatively, to suspend its working until such time as the South African States had adopted a uniform fiscal policy. Mr. Froembling presented a statement of the chemists' objections to the Act, drawn from the replies to the recent referendum sent to every chemist in the Colony (*C. & D.*, May 1, p. 670). He said the Act was introduced with the object of raising revenue and of suppressing the trade in quack remedies. The subsequently published regulations went far beyond this intention, and the consequence was that many articles not enjoying patent or proprietary rights under the common law of Cape Colony or any other country are being heavily taxed. Manufacturers are penalised who affix their name or trade-mark to an article as a guarantee of purity and quality, while the spurious article goes free. It seemed impossible, in his opinion, that the Government ever intended to tax babies' and invalids' food—in most cases a dire necessity—but such a construction must be placed on the regulation issued in the "Government Gazette." Under present conditions a man using "toilet preparations, medicated soaps, and mouth-washes" is practically fined; yet these are preventives of disease, and improve the sanitary condition of his surroundings. The imports of these articles had decreased as compared with last year, showing that increased prices had been followed by diminished sales.

Mr. W. E. Crow, who followed, spoke of the medicine-stamp being used by certain manufacturers as a Government guarantee, which it is not. A reference to consumer's protests against increased cost of medicines drew from the Premier the remark that "he was delighted to pay the tax, as it assisted the revenue." Proceeding, Mr. Crow referred to the difficulties the chemists have, owing to the fact that under the Colonial law so many general dealers dabble in *bona fide* medicines, and even sell medicines containing strychnine. He also asked, "Why place in the same category as a backache-pill a tabloid the composition of which is described on the label?" The Premier replied, "This is another matter. I will deal with it later." Mr. Crow concluded by suggesting that the Act would be much simplified if a stamp of a penny in the shilling or part of a shilling were imposed instead of the present schedule, which imposes a sixpenny stamp on a four-shilling article, and 1*s.* 6*d.* on a 4*s.* 6*d.* article. Mr. Merriman promised to make a note of that.

Mr. H. R. Peck was the next speaker, and stated that he strongly objected to the definition placed on the term "exposed for sale." He thought there would be little complaint if chemists in the Cape were placed on the same footing as chemists in England in regard to the stamping of medicines.

Mr. Tothill, who followed, spoke for the Colonial article, and thought that the Cape could make better medicines than were imported from overseas.

Mr. G. Cleghorn said that though they were anxious to have the Act repealed, he thought that every self-respecting chemist was quite willing to act with the Government in taxing certain so-called patent medicines which were really quacks; but where the proprietary name is given as a guarantee of quality they were averse to those articles being taxed.

The Premier, replying at some length, expressed his pleasure in meeting the deputation, and he believed they might be of mutual assistance before they had finished. He could not suspend the Act, and he did not wish either to repeal or to suspend it, but he wanted, if possible, to see it working satisfactorily. The Act was introduced because the Government wanted revenue, and also because he had an honest dislike to those patent medicines, which he considered a perfect curse.

A large proportion of the medicines manufactured in South Africa are spirituous compounds purchased by natives and others who are prohibited from getting drink. They are fair game to be taxed. He frankly confessed that the Act was very far from perfect. It was imperfect, in that it had no penalty clause—(laughter)—but he hoped to see one in it. In England they had come to an agreement as to what are and what are not patent medicines, and he would like to see such an agreement in Cape Colony, because he did not want to interfere with legitimate trade. He would look into the whole matter and try to amend the Act in some way so as to remove the disabilities of which they complained, and would, no doubt, before that time came, ask the assistance of the members of their Society.

The deputation, having thanked the Premier for his courteous hearing, retired.

SENEGAL GUM ARABIC.—The exports from Senegal to Bordeaux in 1907 were 3,437 tons.

Agri-Horticultural Poisons.

Notices of Application

for licences under Section 2 of the Poisons and Pharmacy Act have been lodged with the local authorities named.

Subscribers and others would oblige us by sending information with reference to applications. Copies of newspapers containing the advertisements of applicants would also be esteemed.

ABERDEENSHIRE.—Jas. Frazer, White Cairns; Alex. S. Wilson, Station Road, Uduy; Jas. McIntosh, Kirktown, Skene; Geo. Ritchie, Schoolhill, Turriff; J. Tennant & Son, Cuminstown; W. Robertson, Colpy; J. Gammie & Son, Warthill.

BEAULY (INVERNESS-SHIRE).—R. Morison, general merchant.

DALMELLINGTON (AYRSHIRE).—Wm. Murdoch, patent medicine vendor.

DUMFRIES.—Wm. M. Blake (J. Poynter, Son & Macdonalds), 18 Bank Street, and J. Jolly (Thos. Kennedy & Co.), 126-128 High Street, seedsmen.

DUNFERMLINE.—A. Kay, ironmonger, Douglas Street.

FOLKESTONE.—L. G. A. Uden, nurseryman, Cheriton Place.

HATFIELD (YORKS.).—A. I. Wells, agricultural merchant.

HUDDESFIELD.—T. Blackburn, seedsmen, 5 Victoria Lane.

MAIDENHEAD.—G. Mattingley, seed-merchant, King Street.

MANCHESTER.—McDougall Bros., 66-68 Port Street.

NORTHAMPTON.—Thos. Wright, ironmonger, 23a Gold Street, S. Yarde (Yarde & Co), nurseryman, 10 Market Square and 16 Wellbeingborough Road.

READING.—Jas. Holder & Son, Crown Nursery, London Road.

SHIPSTON-ON-STOUR.—F. E. Greenhill (Greenhill & Sons, grocers and patent-medicine vendors).

WHITEHAVEN.—J. Wilson, 24 Queen Street.

YORKSHIRE.—S. Moore, general merchant, Market Place, Hawes; Seth Hutchinson, drug vendor, Cowling; D. A. Irving, Dacre Banks; J. Haygarth (Haygarth & Son), sheep-dip agents, Main Street, Dent; H. Thompson, general dealer, Grassington.

Consideration of Applications.

BROMLEY.—The application of Messrs. G. Weeks & Son, ironmongers, High Street, was recommended for grant, but the Town Council on June 9 referred it back to the committee for further consideration by thirteen votes to five. Eight local chemists memorialised the Council, pointing out that one chemist was in business next door to the applicants and another on the opposite side of the street.

BURY ST. EDMUNDS.—The Town Council on June 15 received applications for licences from T. Cross, W. Ollington & Son, and E. E. Westgate, to which there were no objections, but decision was deferred until the applicants and the local chemists appear before the Watch Committee.

CAMBRIDGE.—A deputation representing the local Pharmaceutical Association, consisting of Messrs. W. Philip Want, B. S. Campkin, E. S. Peck, R. Sturton, A. Deck, and H. F. Cook, appeared upon the Public Health Committee of the Town Council, with the result that the committee has decided to recommend that the applications before them be refused. A special circular was sent by the Association to every member of the Town Council, and a special meeting convened to appoint the deputation. Alderman A. Sidney Campkin, Councillor Field, and Mr. Richard Sturton, J.P., are pharmacists on the Council.

COLCHESTER.—Two applications have been recommended for grant by the Watch Committee. Both applications were deferred for amendment.

TRURO.—The recommendation of the Watch Committee to grant the application of Messrs. Hosken, Trevethick & Polkinhorn was "referred back" by the Town Council for further consideration on June 8. A petition signed by W. H. Butcher, Ben Carter, Wm. Feaver, Stanley Smith, Thomas M. Elford, and Wm. T. Hall was read to the Council. The petitioners stated that Truro, with a population of about 12,000, possessed at least six chemists who dealt with this particular section of the trade for a great number of years, and contended that they are more able than anyone else in the handling of poisons.

WESTMORELAND.—At the County Council meeting on June 11 it was reported that the county chemists had waited upon the Agricultural and Diseases of Animals Committee and expressed their views on applications for licences. The committee reported that there were cases where it would be desirable to grant licences.—Dr. Paget-Tomlinson expressed the opinion that under the Act the chemists would be in a better position, as if licences were granted with proper care they would be rather more protected in their business than they had been. A member asked if a person at Langdale was granted a licence, whether he would have the whole County

of Westmorland to sell in.—The Chairman replied that they could not prevent a man going about to look for orders. He could not store the preparations all over the county, but he could go anywhere to get orders, though he could not hawk the substances about. The granting of licences was left in the hands of the committee.

Applications Granted.

BATH.—A deputation from the local Pharmaceutical Association, consisting of Messrs. E. W. Lovelless, W. J. Hallett, J. G. Hawes, H. K. Pryke, T. W. Sampson, L. Wilson, H. Norris, and H. Roberts, waited on the Finance Committee on June 8. The committee, however, decided to issue licences to the two applicants. At the Council-meeting on June 15 Dr. Preston King moved as an amendment to the Finance Committee's report "that this Council requests the Finance Committee not to renew the licences for the sale of poisons issued to certain seedsmen and florists after the termination of the twelve months for which such licences have been issued, and also, in the future, to issue no licences under Section 2 of the Poison and Pharmacy Act of 1908." Dr. King argued that there was no need for licences in Bath.—Mr. John said the Finance Committee had undoubtedly ignored the spirit of the Act. It was not, as had been said by the ex-Mayor, a question of public convenience.—Mr. Colmer thought the intention of the Act was to legalise the sale by nurserymen of horticultural poisons. The amendment was carried by nineteen votes to ten.

CARDIFF.—The City Council on June 14 confirmed, by twenty votes to eleven, the Health Committee's recommendation to issue licences to several seed-merchants.—Mr. J. A. Jones, chemist and druggist, during the discussion said that the sixty chemists in Cardiff had spent 8,000l. in qualifying themselves in order to sell poisons, and he protested against their prerogative being taken from them.

CARLISLE.—The Town Council confirmed on June 8 the Watch Committee's recommendation to grant licences to several applicants.

COUTP-ANGTS.—J. M. Muir and T. B. Farquharson.

CROYDON.—Four applications from nurserymen have been granted by the County Council.

DEVON.—The Agricultural Committee of the County Council, after considering the representations of various chemists and a circular letter from Mr. M. Dobbs, stated that they were not prepared to advise the Council. The Council have granted the two applications before them.

EALING.—Arthur Scott, 37 Haven Green, and J. T. Hart, New Broadway. By eleven votes to seven the General Purposes Committee recommended that the applications be granted. The Deputy-Mayor, in opposing this recommendation, said successive Governments had endeavoured to centralise, limit, and control the sale of poisons, and had placed their sale in the hands of technically educated and responsible men. The Act of 1908 was never intended to apply to such a town as Ealing, with fourteen chemists. If the applications were granted, it followed that the Council would be obliged to issue licences to every oilman, ironmonger, or gardener in the town who applied. Regarding the suggestion of a trade union among chemists, the prices of weed-killers, etc., were fixed by the makers' advertisements.

EXETER.—P. C. M. Veitch (R. Veitch & Son), High Street; W. Randall and S. Randall (W. Randall), 12 Bridge Street. The Market and General Purposes Committee recommended the grant of the applications. At the meeting of the City Council on June 9, Mr. Campion asked if provisions of the Act had been duly considered.—Alderman Cole (Chairman of the committee) said that all he knew was that the licences were granted in other places: but Mr. C. T. W. Finch said the committee had given full consideration to the matter, while the Town Clerk stated that the Chief Constable had made no objection to the applications.—Mr. Campion: "Are these licences personal licences, or granted to the proprietors of businesses so that any office or errand boy shall be able to sell these things?"—The Town Clerk said the licences would be granted to the firm.

GLAMORGANSHIRE.—The County Council has granted, by a majority of one, the application of a seedsman. A deputation of Penarth chemists had laid their views before the Council.

WINDSOR.—Wellman Bros. & Co., ironmongers.—Mr. F. T. Ryland, who appeared before the Town Council on behalf of the local chemists, pointed out that there was a chemist in business next door but one to the applicants' premises, while another one traded almost opposite. The other chemists of the town also sold the requisite poisons. The application was granted by nine votes to six.

WOLVERHAMPTON.—It is stated that a compromise has been arranged between chemists and florists by which it is agreed that the applicants shall seek licences for horticultural poisons only. The Corporation on June 14 acquiesced in the arrangement, and issued licences accordingly.

WORCESTERSHIRE.—A. A. Liversidge, 41 High Street, A. M. Whitford, Belmont, Greenhill, and W. Yates (Yates & Son),

Evesham; A. Wilson, Blakedown Nursery, Kidderminster; A. O. Needham (Needham & Co.), Belle Vue Terrace; and T. Norris, Clarence Road, Malvern; D. W. Brotherton, Malvern Wells; A. Hallam, 172 Alcester Road, Moseley; V. H. Simpson & Sons, Moseley Village; F. A. Godfrey, 117 High Street, and E. Elt & Son, Heath Street, Stourbridge; Greenhill & Sons, Shipston-on-Stour—all nurserymen or seedsmen. An application from Messrs. Needham & Co. for a lock-up depot at Charlton and Malvern Link Railway Stations was refused on the ground of unsuitability of the premises. At the meeting of the General Purposes Committee of the County Council on June 12, Mr. F. J. Hemmings, solicitor, on behalf of the Worcester Chemists' Association, after raising the objection that licences could not be issued to corporate bodies, submitted that if the "reasonable requirements" condition were taken into account the applications for Malvern and Evesham (where there are nine or ten chemists in each town) would be refused.—Mr. Dobbs, for the applicants, was proceeding to quote from the Departmental Committee's report *re* agricultural poisons when Mr. Willis Bund (the Chairman of the County Council) interrupted to remark that the report did not matter; the committee had the Act before them.—Mr. Dobbs then said that chemists were losing their professional status by selling dog-biscuits and knife-polish.—Mr. Willis Bund remarked that it did not matter to the committee if chemists sold thrashing-machines.—Mr. Dobbs said he mentioned the matter to show that there was no substance in the opposition. Of insecticides 95 per cent. were sold by horticulturists, though he was aware that sheep-dips were sold by chemists. Nurserymen who understood their use had supplied gardeners in the past.—Mr. Bund: "And broken the law."—Mr. Hemming, in reply to the Chairman (Ald. E. W. Hobson), said it was for the committee to decide whether licences should be issued in places where there was a chemist in business, but it could not be said that the public requirements were not met in Evesham and Malvern. To the suggestion that chemists were asking for a transference of the nurseryman's trade in poisons, Mr. Hemming pointed out whatever those vendors had done in the past had been illegal, and (in reply to Dr. Dixey) it was not the intention of the Act to legalise that trade.

Applications Refused.

LEVEN.—Mr. Lister, nurseryman. Messrs. J. Buchanan, A. Husband, and A. Hogg, chemists, petitioned the Town Council, stating that they were prepared to supply all poisonous dips, etc. Mr. Hogg appeared before the Council on June 7, and contended that the local requirements were already met.

MAIDENHEAD.—Geo. Mattingley, bulb importer. [Corrected note.]

RICHMOND-ON-THAMES.—Sydney Flowers, ironmonger, 67 Kew Road.

Fees Fixed.

DEVONSHIRE.—Licence 10s. 6d.; renewal 1s. 6d.

WICKLOW.—Licence 5s.

Interesting Items.

The controversy *re* poison-licences in Liverpool is still raging, chiefly in the correspondence columns of the "Liverpool Echo." Mr. J. Lytle, of the local Horticultural Traders' Defence Union, Dr. C. Symes, Mr. Breeze, and Sir Edward Evans have engaged in the controversy.

Some correspondence has also appeared in the "Nottingham Guardian," in which "A chemist for thirty-five years" explained the legal aspects of the situation.

Dundee Town Councillors imagine that the poison-licences recently granted were for patent medicines! And are not sure whether the licences were granted to ironmongers or seedsmen. So we gather from the "Telegraph and Post."

The discussion at the meeting of the Sheffield Town Council last week has caused some comment in the local Press. A writer on current topics has crossed swords with Councillor Appleyard, who has acted on occasions as solicitor for the Pharmaceutical Society in local prosecutions.

ELGIN.—A large window bill displayed by a local seedsman states, "Poison! Great Victory. Chemists clean beaten. Wiseman being granted the only licence by the Town Council of Elgin."

NORTHAMPTON.—Mr. T. L. Wright, the chairman of the Watch Committee, and Alderman Yarde have intimated their intention of applying for poison-licences since the Town Council's confirmation of the Watch Committee's recommendation to issue licences.

WHITEHAVEN.—Councillor Wandless: "While there were nine chemists in the town, one man could do all the trade there was in arsenical dips."—Alderman Musgrave: "What was strongly in Mr. Steele's favour was that he had a travelling van in which he carried all kinds of things into the country, and, amongst the rest, he would probably carry these dips to the farmers in the remote parts of the district."

Legal Reports.

Trade Law.

Ichthyol.—The Ichthyol Co., of Hamburg, the proprietors of the trade-mark "Ichthyol" and "Ichthyolate," have recently obtained judgment in the Berlin Court of Appeal against Messrs. Hoeckert & Michalowsky, confirming the decision of the County Court restraining the defendants from stating that "Isarol" and "Piscirol" preparations made by them are chemically identical with "Ichthyol." The judgment imposes a fine of 1,000m. for each contravention, and authorises the plaintiff company to publish the decision at the cost of the defendants.

High Court Cases.

SAFETY RAZORS.

In the Chancery Division on Friday, June 11, before Mr. Justice Neville, Mr. Terrell, K.C., on behalf of the Gillette Safety Razor, Ltd., moved for a writ of sequestration against the Luna Safety Razor Co. for contempt of court in publishing a circular misrepresenting the proceedings of the court. The ground of plaintiffs' contention was that the statement complained of, when read in conjunction with the whole circular, was calculated to give the trade, to which it was issued, a false impression with regard to proceedings, brought by the plaintiffs, as to "passing off" of their razors before Mr. Justice Swinfen-Eady in January of this year. Having heard both sides, his Lordship refused to grant an order for sequestration, but granted an injunction against the defendants to restrain them from continuing to make the statements complained of.

"K.M.S." TRADE-MARK.

In the Court of Appeal on June 14, before the Master of the Rolls, Lord Justice Farwell, and Lord Justice Kennedy, two appeals, "*In re* A. Boake Roberts & Co., Ltd., trademarks and the Trade-marks Act, 1905, the appeal of applicants, W. A. Wayland & Co., from an order of Mr. Justice Neville," and "*In re* A. Boake Roberts & Co., Ltd., *v.* W. A. Wayland & Co., appeal of defendants from an order of Mr. Justice Neville," were settled. Messrs. Wayland & Co. applied in the court below to strike off the register the trade-mark "K.M.S." relating to brewing-chemicals, registered by Messrs. A. Boake Roberts & Co. The latter firm also applied against Messrs. Wayland for passing off their goods. The Judge decided in favour of Messrs. Boake Roberts & Co., granting an injunction. When the cases were called on, Mr. Peterson, K.C., said that the dispute had been settled, and he was instructed to withdraw the appeals. Mr. Jenkins, K.C., said the judgment of the Court below would stand. The terms were endorsed on the briefs, but they need not be mentioned.

MANUFACTURE OF MALT EXTRACT.

In the King's Bench Division of the High Court of Justice on June 14, Mr. Justice Hamilton completed the hearing of an action by the Standard Malt Extract Co., Market Street, Bermondsey, against Mr. John F. Rolf, of Collum Street, Greenwich, to restrain him from making use of certain information which he had gained while in their employ. Mr. Simon, K.C., with Mr. R. Bankes, appeared for the plaintiff, and Mr. Gore Browne, K.C., and Mr. E. F. Lever were counsel for the defence.

For the plaintiffs Mr. Simon stated that the defendant had left plaintiffs' employ, and he was not willing that the interim injunction obtained against him should be continued. The injunction was that defendant or his servants should be restrained from divulging or communicating to anyone the details of the process of manufacture exclusively used by the plaintiffs in regard to their liquid malt extract, which defendant had obtained in the course of his employment. The plaintiff company at present consisted of Mr. Robt. and Mr. Wm. Macadam, and from 1900 to 1904 the defendant had been their works manager at Clayton-le-Moors, and had manufactured for them liquid malt extract, using their own process, which they valued highly. It was not possible to go deeply into details in a case of this sort because the whole object of the action was to obtain protection against a divulgence of their method of production. In 1904 defendant became the plaintiffs' chemist in London, and in a short time he was appointed analytical chemist in

their laboratory. In 1908 plaintiffs found out that three people in their employment—defendant and two others, named Thatcher and Hughes, were endeavouring to establish a small business called the Imperial Malt Extract Co., and to carry it on in their spare time on plaintiffs' premises, thereby acting as rivals and competitors to their employers. Plaintiffs dismissed Thatcher and Hughes, and correspondence ensued between defendant and Messrs. Macadam, showing that he intended to resign his post. Plaintiffs warned him not to divulge any of the details of the methods by which they manufactured their malt extract, but defendant, while stating that he would not divulge the process to the world, declared that a good deal of it was common knowledge among manufacturers. Nothing satisfactory could be arrived at between the parties, and, as a result, the present litigation had arisen. It was further alleged that the plaintiffs had found in defendant's desk a formula of their process of manufacture, and therefore they contended that there could be no justification.

Evidence was called in support of plaintiffs' case, but all reference to the details of manufacture of plaintiffs' malt extract was avoided by the witnesses.

Mr. Gore Browne, K.C., for the defence, stated that defendant never had and did not propose to disclose plaintiffs' proprietary rights in the manufacture of their malt extract. What he did say was that he had been employed for ten years in the manufacture of malt extract, and that where a man had learnt his trade in the employment of others he had every right to use the knowledge he had so acquired for the purpose of carrying on a similar trade himself. Having learnt the right and proper process, there was nothing to prevent him from describing it. Of course, it could not be contended that he had any right to give away the proprietary secrets of his employers or say, "That is the way the Standard Malt Extract Co. do their business."

Mr. Justice Hamilton: In the course of his employment with plaintiffs he learns that temperatures are the soul of the process, and nobody except those in plaintiffs' service know it. Under such circumstances is the defendant at liberty to go away and manufacture malt extract himself, using the degrees of temperature which are the essence of plaintiffs' process, and say that it was the result of his experience gained in the trade?

Mr. Gore-Browne: I say undoubtedly that that is the position of the law. The reason why many people went into the best works in the country, continued counsel, where machinery and processes of the highest efficiency were used, was because they might learn there how to produce the same good work elsewhere. There was no obligation on a man so employed not to go away and work in another factory using all the skill and knowledge which he had gained with his former employers. If manufacturers could make it binding on their employes never to do so, it would be a far better way of protecting their businesses than by taking out letters patent. Defendant had a perfect right to go away and become plaintiffs' rival should he so wish. If a man could not take away his knowledge and use it elsewhere in this manner, it would be a cruel restraint on trade and its progress.

Mr. Justice Hamilton: You say that defendant would have the right to-morrow, if he wished, of handing over the knowledge of the whole working and arrangement at Clayton-le-Moors, but the only thing he has no right to do is to hand over the recipes from which plaintiffs' article is made up?—Certainly.

Before evidence was called for the defence the parties conferred together, with the result that Mr. Simon announced that a settlement had been arrived at whereby defendant, while disclaiming that he ever had any intention to violate the confidence of the plaintiffs, undertook not to divulge or communicate by himself, his servants, or agents, directly or indirectly, any part or parts, details, or particulars of the processes or methods used by the plaintiffs in or for producing "Diastol" or "Macadam's bakery compound," not to use, divulge, or communicate any formula or recipe in connection with the same, and further undertook not to reveal what was the plaintiffs' mode of compounding their standard liquid malt extract. On these terms the action was stayed, each party to pay their own costs. Mr. Simon remarked that by that agreement both parties were satisfied, and it left defendant free to make use of his

experience as far as he possibly might do so outside the terms of the settlement. Counsel further expressed the hope that defendant would forget any suggestions he might have made against his good faith.

Mr. Gore Browne concurred.

"PERFECTION" SOAP.

In the Chancery Division on Tuesday, June 15, Mr. Justice Swinfen-Eady decided the appeal of Messrs. Joseph Crosfield & Sons, Ltd., from the decision of the Registrar of Trade-marks refusing to register the word "Perfection" as the applicants' trade-mark in Class 47 for common soap. The registration was opposed by Messrs. Lever Bros., Ltd., who objected to the registration of the word "Perfection" alone. They did not object to the registration of "Crosfield's Perfection," but contended, among other things, that the word "Perfection" alone was not distinctive, and was not adapted to distinguish the goods of Messrs. Crosfield from the goods of other manufacturers. They maintained that the word was merely commendatory or indicative of the character and quality of the goods.

The hearing of the case occupied the Court ten days last month, and his Lordship now read a written judgment, in which he reviewed the history of the soap, and the evidence adduced, and concluded by saying:

The result of the evidence is that in some counties of England and Wales "Perfection" soap to many people indicates Crosfield's "Perfection" washing-soap; to many other persons in the same counties it does not convey any such meaning; and in some counties it scarcely indicates the applicants' soap to anyone, as it is almost unknown in the county. The applicants' soap is only little known in London. In Scotland or Ireland it does not indicate or distinguish the applicants' soap from that of other manufacturers to any appreciable extent, if at all. Considering the evidence as a whole, I have come to the conclusion that the word "Perfection" is not a distinctive mark, and is not adapted to distinguish the goods of the applicants from the goods of other persons. I have taken into consideration the evidence of user, and still am of opinion that the word is not adapted to distinguish the goods of the applicants. In my opinion, the word "Perfection" is not a distinctive mark within Paragraph or Sub-section 5 of Section 9 of the Act of 1905, notwithstanding the use of the word by the applicants in the past. The conclusion to which I have come will not, of course, affect the applicants' pyramid trade-mark, nor prevent the applicants from preventing other persons from passing-off their soap as that of the applicants. Indeed, Section 45 of the Act of 1905 sets at rest any doubt which might have arisen under Section 42 of the Act by providing that nothing in the Act contained shall be deemed to affect rights of action against any person for passing-off goods as those of another person or the remedies in respect thereof. My decision merely prevents the applicants from monopolising the word "Perfection" as a trade-mark for their soap. I refuse the application, with costs, and the applicants must also pay the costs of the Registrar.

Medicine-stamp Act, 1812.

WHAT IS A REGULAR APPRENTICESHIP?

At the Bradford City Police Court, before Mr. H. W. W. Wilberforce, Stipendiary Magistrate, on Thursday, June 10, John Taylor, a drug-store keeper, Victoria Road, Eccleshill, Bradford, was summoned for an alleged offence under Section 2 of the Act—viz., selling a dutiable medicine unstamped. The defence was that it was exempt from duty as a known, admitted, and approved remedy.

Mr. F. Dart, of the Customs and Excise Department, London, who appeared for the prosecution, said that the offence committed by the defendant was that he sold a bottle of blood-purifier without paying the stamp-duty. The Act provided, however, an exemption in the case of a duly qualified chemist or druggist who had served a regular apprenticeship, but he contended that the defendant had not served an apprenticeship in the usual manner. The defendant claimed that he had served under his father for a period of three years, but he (Mr. Dart) held that that did not constitute a regular apprenticeship because there had been no contract on the one hand to learn, and on the other hand to teach, and if there was any contract for a period longer than a year it should have been in writing. He contended, therefore, that the defendant had no indentures at all, although he did not think he had intended to commit a fraud.

Mr. H. J. Cocker, an Excise officer, stated that on February 12 he visited the defendant's shop at Eccleshill, where

he purchased for one shilling a bottle of blood-purifier which did not bear a revenue stamp.

The defendant said he joined his father, who was a registered chemist, nineteen years ago as an apprentice on the understanding that he was to learn the business. He acted as assistant for seven years, during which period his father was giving him instruction. Upon the death of his father he managed the business himself. He was not a registered chemist, and he had not passed any qualifying examination. In answer to Mr. Dart, the defendant stated that he was actually apprenticed with his father, but he could not produce any written document in proof of it. The medicine was prepared according to a recipe published in an approved book of reference, and he had sold about a hundred bottles of it.

The Stipendiary Magistrate said the object of the statute was to secure that these medicines should not be sold by unqualified persons, and he personally doubted whether the section really meant anything more than an apprenticeship in fact. The defendant had brought no evidence of the fact that he was apprenticed with his father, but an informal agreement between the father and son for less than one year need not be put into writing, and it might have been extended by common consent. He considered that the requirements of the statute had been substantially observed by the defendant, having regard to the fact that he had had some training and experience. It appeared to him that if there had been a technical breach of the law it was so trivial that no penalty should be inflicted.

The summons was dismissed. When asked if he would state a case, the Stipendiary said he would consider that when application was made.

Dentists Act.

THE LONDON HYGIENIC INSTITUTE.

At South-West London Police Court, before Mr. Garrett, on June 14, Oscar Farkasch, Daniel Rosenschein, Joseph Leo Rosenschein, John D. Donald, and J. Newman, of the London Hygienic Institute, Oxford Street, W., were summoned, at the instance of the British Dental Association, for having used, contrary to Section 3 of the Act, a description in the conduct of their business implying they were specially qualified to practise dentistry. Mr. R. W. Turner appeared for the prosecutors and Mr. J. W. Ritch and Mr. Tully-Christie for the defendants.

Mr. Turner said that the defendants in a circular stated that they had the largest and most successful practice in Great Britain, their fundamental principle being the painless extraction of teeth. Donald and Newman went out to extract teeth wholesale free of charge. It had been laid down, continued counsel, that a man not on the register could charge for false teeth, but not for extraction. Counsel argued that he circular indicated that the defendants had special skill in dentistry by the phraseology used.

Mr. Garrett, looking at the papers, said the defendants seemed to have a great deal of practice.

Mr. Turner said that was so. Attempts had been made to prevent witnesses from attending the court, sums of from 10*l.* to 60*l.* having been offered.

Mr. Duncan, photographer, Putney, gave evidence as to Donald operating on him, with the result that damage was done, and he brought an action against the Institute, which he settled for twelve guineas cash and an upper and lower set of teeth. W. T. Ashwell, a fruiterer, also gave evidence.

Mr. Ritch said there are many experienced men not on the register. He complained of the Association starting the prosecution on the flimsiest of facts.

A former canvasser of the defendants stated that he had strict injunctions never to represent that his employers were qualified dentists, but that they were operators qualified by experience.

Mr. Thorne, surgeon-dentist, New Cavendish Street, W., gave it as his opinion that the extraction of teeth is a surgical operation, and not a mechanical one.

The case was adjourned.

County Court Cases.

CLAIM FOR DRUGS SUPPLIED.

In the Shoreditch County Court on June 10, before Judge Smyly, K.C., the London and Provincial Horse and Cattle

Medicine Co., 138 Stoke Newington Road, N., sued J. Hedges, 64 Boleyn Park, Upton Park, to recover 6*l.* 11*s.* for gripe-water, pills, ointments, and other medicines supplied. Liability was not disputed, but on defendant's son admitting in evidence that he ordered the goods, plaintiffs' solicitor wanted to join him in the liability, which his Honour refused, and gave a verdict for the defendant, with costs.

SALT TRANSACTION.

In the City of London Court, before Judge Rentoul, K.C., on June 14, the Salt Union, Ltd., 16 Eastcheap, E.C., sued Mr. Daniel Ball, trading as Foster's Stores, 15 The Terrace, Merton Road, Southfields, to recover 5*l.* 4*s.* 2*d.* for salt sold and delivered. Defendant said he had never had any salt from the plaintiffs; but he admitted that he had bought the business from his brother for 200*l.* in September 1907, and as the salt was supplied in May of last year Judge Rentoul said there was no question in his mind about the matter, and gave judgment for the plaintiffs, with costs.

DEBT CASES.

At the West London County Court, before Sir W. L. Selfe, on June 10, Mr. G. J. Bernard, 48 High Road, Kilburn, sued Mr. Henry Smallpage for 15*l.* 15*s.* for a set of teeth. The defendant pleaded that under the Dentists' Act the plaintiff, not being a registered dentist, could not recover fees, and the case was struck out.

At the same court the Erasmic Soap Co. obtained an order against Dr. M. J. Williams, Jerdan Road, Fulham, for payment of 2*l.* a month in respect of a debt of 7*l.* 9*s.* 9*d.* for goods supplied to a chemist's shop at Fulham which defendant carried on in the name of Vincent.

TR. IODI OR LIQ. IODI FORT.

In the Shoreditch County Court, before Judge Bray, on June 15, Henry T. Bird, a labourer, sued Mrs. A. E. Clarke, 123 Brunswick Street, Hackney Road, N.E., the widow of a chemist, to recover 12*l.* 12*s.* damages caused through her agent supplying a certain liquid, purporting to be tincture of iodine, which caused severe burns. Evidence was to the effect that plaintiff's daughter had purchased a pennyworth of "iodine" to paint his back, as he had a cold. When applied, the stuff caused him pain, and he had to go to St. Bartholomew's Hospital for treatment. He was off work for five or six weeks. His wages were 32*s.* a week.—Dr. Sturdy, of St. Bartholomew's, deposed that the back was burnt as if with iodine. He explained the difference between the tincture and liquor fortis, and said that some skins are very delicate as regards iodine.—For the defence Miss Edith Clarke explained that she practically managed the shop on behalf of her mother. Her father died a year ago. For ten years she assisted him in the shop, and had never known anything but tincture of iodine to be in the place. She had never sold the liniment or liquor fort. Such drugs were obtained from Messrs. Baiss Bros. & Stevenson.—Dr. W. B. Griffin, of St. Bartholomew's Hospital, said he was the first to see the plaintiff at the hospital, when he had a very red back from burns, and ulceration followed. In answer to his Honour, he said it was inexplicable to him that the plaintiff's back got into such a state with half-a-dozen applications unless the liniment had been supplied by mistake.—John Vanstone proved sending out the tincture on behalf of Messrs. Baiss Bros. & Stevenson.—Mr. J. S. Collins, chemist, said he acted as assistant at the shop, and had never known anything but the tincture to be there.—His Honour, in giving judgment for the defendant, said that the whole case turned on whether tincture or liniment was supplied, and he found that it was not liniment. The defendant did not ask for costs.

Deed of Arrangement.

SHARP, STEPHEN, 241 Stamford Street and 7 Oldham Road, Ashton-under-Lyne, Chemist and Druggist. Trustee. W. R. Sharp, Brown Street, Manchester. Dated June 3, filed June 9. Secured creditors, 39*l.*; liabilities unsecured, 1,293*l.*; estimated net assets, 522*l.* Among the creditors are D. & W. Gibbs, Ltd. (12*l.*), and Evans Sons Lescher & Webb, Ltd., Liverpool (55*l.*).

Bankruptcy Report.

Re MORGAN W. JAMES, Llanelly, Chemist and Druggist.—The examination of this debtor was provisionally closed on June 9, when he was subjected to a searching cross-examination by Mr. Thos. Gee, secretary of the Gwilym Evans Quinine Bitters Co., Ltd. Mr. James, in reply, asserted that he was virtually swindled by the late Mr. Gwilym Evans. "The dead man is not here to answer for himself," said Mr. Gee, "but you say that the business was not worth what you are supposed to have paid for it?" Debtor: That is so. Mr. Gee put it to the debtor that the late Mr. Evans paid into the bank for the debtor two sums of 580*l.* and 900*l.*, but Mr. James replied that he did not know. In the course of further questions, the Registrar told the debtor that he must answer reasonable questions in a proper manner, and not in a careless and flippant way, and also threatened to adjourn the case *sine die*. Debtor admitted he had made a claim for 500*l.* against the executors. Mr. Gee: He has indulged in litigation at our cost and has defied the Court.

Gazette.

Partnerships Dissolved.

BROWN, J., and WOODCOCK, A. E., general medical practitioners, Blackhorse Road, Walthamstow, N.E., under the style of Brown & Woodcock.
CHARNLEY, C., and CHARNLEY, C., the younger, chemists, etc., Wilmslow, Cheshire, under the style of Charles Charnley.
WEATHERBE, L. J., and COOPLAND, H. C., surgeons, etc., under the style of Weatherbe & Copland, Rotherham, Yorks.

The Bankruptcy Acts, 1883 and 1890.

RECEIVING ORDER.

GRACE, JOHN RICHARD, Southwater, late Horsham, Sussex, veterinary surgeon.

ADJUDICATIONS.

BURNET, JAMES HENRY, Inkberrow, Worcestershire, veterinary surgeon.
GRACE, JOHN RICHARD, Southwater and Horsham, Sussex, veterinary surgeon.

Liquidations.

ACME SOAP CO., LTD.—To be voluntarily wound up. Liquidator, Mr. Simon Jude, 10 Cook Street, Liverpool.
BAILEY'S REMEDIES, LTD.—Meeting of creditors at the offices of Messrs. H. Douglas Brown & Norris, Union Bank Chambers, 12-16 Southwark Street, London Bridge, S.E., on June 22, at 3 P.M.
HAGUE DRUG CO.—To be voluntarily wound up. Liquidator, Mr. Walter Lunt, 23 Delamere Street, Ashton-under-Lyne. Meeting of creditors at above address on June 28, at 1 P.M.

Business Changes.

Properly authenticated business notices (not being advertisements) are inserted in this section free of charge if promptly communicated to the Editor.

MESSRS. MAURICE & Co. have opened new premises at 19 Bedford Street, Plymouth.

MR. O. R. WINDERMER, Ph.C., has recently opened a business at 118 Ewell Road, Surbiton Hill, Surrey.

MR. H. G. DUTTON, chemist and druggist, late of Bradford, has opened a pharmacy at Medstead, Alton, Hants.

MESSRS. DOBLE & Co., LTD., have sold their branch business at Yelverton to Mr. W. A. Roberts, chemist and druggist.

MR. A. G. HARDEN has moved into his new pharmacy at 46 Grosvenor Road, Tunbridge Wells. The entire shop-fittings were carried out by Messrs. Sangers.

MESSRS. E. C. TAMPLIN & SON, pharmacists, Eden Street, Kingston-on-Thames, have remodelled the exterior of their premises, and in place of an old-fashioned window with carboys have substituted a modern double-front with half-circular windows.

ALEPPO GALLS.—The approximate exports of galls and yellow berries from Alexandretta during 1908 amounted to 407 tons (26,180*l.*), against 450 tons (27,338*l.*) in 1907, and 404 tons (22,897*l.*) in 1906. They were chiefly shipped to the United Kingdom, France, Germany, Belgium, and Turkey in the order named.

New Companies and Company News.

The letters P.C. mean Private Company within the meaning of the Companies Act, 1907, and R.O., Registered Office.

ASEPTIC BED CO., LTD. (P.C.).—Capital 25,000*l.*, in 1*l.* shares. R.O., Suffolk House, Cannon Street, E.C.

J. WAGNER, LTD. (P.C.).—Capital 500*l.*, in 1*l.* shares. Objects: To acquire the business of John Wagner, photographic-paper manufacturer and printer. The first directors are J. Wagner and Mrs. H. Wagner. R.O., 122 Beulah Hill, Upper Norwood, S.E.

WRIGHT, CLARK & WALLIS, LTD. (P.C.).—Capital 1,000*l.*, in 1*l.* shares. Objects: To carry on the business of manufacturers of mills and mixers. The first directors are W. J. Connoll (managing director) and E. Connoll. R.O., 157 Southwark Bridge Road, S.E.

KAPSALLS, LTD. (P.C.).—Capital 5,000*l.*, in 1*s.* shares. Objects: To acquire the business of Kapsalls, Ltd. (in liquidation), manufacturers of bottles, stoppers, caps, etc. The first directors are G. Swift, S. C. Emery, A. S. Tyler, and F. A. Bird. R.O., 39 Thorp Street, Birmingham.

MURRAY, LANG & Co., LTD. (P.C.).—Capital 2,000*l.*, in 1*l.* shares (500 deferred). Objects: To take over the business of F. C. Pack, toilet, medical, perfumery, and other speciality manufacturer, 144 Gray's Inn Road, W.C., carried on as "Murray, Lang & Co." R.O., 144 Gray's Inn Road, W.C.

HUNSTANTON MINERAL WATER CO., LTD. (P.C.).—Capital 1,000*l.*, in 1*l.* shares. Objects: To take over the business of mineral and aerated water manufacturers carried on by C. Maule and J. P. D. Spurgin at Hunstanton and King's Lynn, Norfolk, who are the first directors. R.O., High Street, Hunstanton, Norfolk.

BUVO, LTD. (P.C.).—Capital 20,000*l.*, in 1*l.* shares. Objects: To acquire the rights of the International Agentur und Export Gesellschaft of Leipzig, Germany, for the U.K. Colonies and U.S.A., manufacturers of a beef-cup. The first directors are A. G. Whiteman and M. Singer. R.O., 26 Rosebery Avenue, E.C.

VIVERO, LTD. (P.C.).—Capital 1,000*l.*, in 1*l.* shares. Objects: To adopt an agreement with R. N. Robertson and W. C. Thorne, and to carry on the business of manufacturers of and dealers in medicines, etc. The first directors are W. C. Thorne, R. N. Robertson, and E. H. Clarke. R.O., 32 High Street, Burton-on-Trent.

INTERNATIONAL MANUFACTURING CO., LTD. (P.C.).—Capital 2,000*l.*, in 1*l.* shares. Objects: To take over the business of a chemical manufacturer carried on by R. Collison at Blackburn as the "International Manufacturing Co." The first directors are R. Collison, L. Collison, and W. Bartholomew. R.O., 22 Tontine Street, Blackburn.

F. W. FITCH & Co., LTD. (P.C.).—Capital 1,000*l.*, in 1*l.* shares. Objects: To take over the business of F. W. Fitch ("W. C. Fitch"), chemist, druggist, optician, patent-medicine manufacturer and vendor, etc. The first directors are F. W. Fitch, W. C. Fitch, Mrs. M. Fitch, and F. Gibson. R.O., Main Street, Littleport, Cambs.

M. H. BREYER & Co., LTD. (P.C.).—Capital of 500*l.*, in 1*l.* shares. Objects: To acquire the business of Breyer, Puddy & Co., scientific-instrument makers and dealers, glass blowers, etc. 178 King's Cross Road, W.C. The first directors are M. H. Breyer (managing director), H. Thompson, A. Kahn, and G. Kahn (all permanent). R.O., 178 King's Cross Road, W.C.

BELFAST AND NORTH OF IRELAND GROCERIES' ASSOCIATION, LTD.—Registered in Dublin with 300 members, each liable for 10*s.* in the event of winding-up. Objects: To protect and promote the interests of the grocery, drug, and provision trades. President, W. H. Andrews; Vice-Presidents, R. J. Bell, G. Gayton, T. A. Perry, J. Rice, J. Nixon, and S. Rea; Hon. Secretary, W. Haslett. R.O., 10 Garfield Chambers, Royal Avenue, Belfast.

WILLIAM COLEMAN ORDINARY SHARES, LTD.—Capital 130,000*l.*, in 1*l.* shares. Objects: To acquire, free from incumbrances, all or part of the 89,000 fully paid 1*l.* ordinary shares in Coleman & Co., Ltd., registered in name of or belonging to W. Coleman, of Brundall House, Brundall, Norfolk, to adopt an agreement with the said W. Coleman, and to carry on the business of dealers in stocks, shares, debentures, or other securities, etc. The first directors are W. Coleman (chairman), J. W. Sewell, W. O. Snelling, C. H. A. Lock, J. W. C. Daynes, J. Rout, and G. E. W. Woolsey. Remuneration, 50*l.* each per annum.

WRIGHT, LAYMAN & UMNEY (1909), LTD.—Capital 135,000*l.*, in 1*l.* shares (90,000 preference). Objects: To acquire the business of Wright, Layman & Umney, Ltd. (incorporated in 1899), carried on at 48-50 Southwark Street and 66-68 Park

Street, Southwark, and Union Hall, Borough, and to carry on the business of manufacturing, wholesale, retail, consulting, and analytical chemists and druggists, soap manufacturers, smelters and refiners of ores, drug grinders, importers, and exporters, drysalts, manufacturers of essences, distillers of essential oils, perfumers, etc. The first subscribers are C. Umney, Fernbrake, Bournemouth, Hants, pharmaceutical chemist; C. N. Layman, Thornton House, Bickley, Kent, manufacturing chemist and druggist; E. B. Layman, Thornton House, Bickley Kent, wholesale druggist; H. C. Wright, Highlands, Bickley Park, Kent, pharmaceutical chemist; J. C. Umney, Rustington, Cambalt Road, Putney Hill, pharmaceutical chemist; F. N. Layman, 84 Gloucester Road, S.W., wholesale druggist; and E. A. Umney, Courtfield, Worcester Road, Sutton, Surrey, pharmaceutical chemist. Minimum cash subscription, seven shares. The first directors are C. Umney, C. N. Layman, E. B. Layman, H. C. Wright, J. C. Umney, F. N. Layman, and E. A. Umney. Qualification of first directors, one share; of subsequent directors, 2,500*l.* preference and 2,500*l.* ordinary shares. Remuneration, 100*l.* each per annum. R.O., 48 Southwark Street, S.E.

NATIONAL DRUG AND CHEMICAL CO. (CANADA), LTD.—Application has been made to the committee of the Liverpool Stock Exchange to grant an official quotation of the 350,630 6-per-cent. cumulative preference shares of 1*l.* each, fully paid.

THE COLOMBO APOTHECARIES' CO., LTD.—The directors recommend that a dividend of 10 per cent. and a bonus of 2½ per cent. be declared, which will absorb Rs. 50,000, leaving a balance of Rs. 19,433 to be carried forward, being the same as in the preceding year.

GEORGE TOWN DISPENSARY, LTD., PENANG.—The directors have declared a dividend of 12½ per cent. for the year 1908-9, as against 15 per cent. for the previous financial year. We understand (says the "Penang Gazette") that this reduction is due to the expenses in opening the new branch at Ipoh, which did not commence to pay its way until it had been established for about six months.

A. J. WHITE, LTD.—The annual meeting was held on June 11 at the Memorial Hall, Farringdon Street, E.C., Mr. J. Taylor Marsh presiding. In moving the adoption of the report (*C. & D.*, June 12, p. 904) the Chairman said that they did not consider the result of the year's trading as unsatisfactory. The board was making special efforts to develop branches of their business further afield, and that was why the item "interest in subsidiary companies" stood at a somewhat higher figure than formerly. As they had over 3,000 shareholders, and a remedy which had been on the market for thirty years, he thought that if each shareholder who might feel a little "run down" would go to the nearest chemist and make a purchase they would be doing good to the company. He never travelled without the syrup or tablets, and if he ran short he was always pleased when the chemist charged full price—2*s.* 9*d.* per bottle. Mr. R. Stafford Charles seconded the motion, and a somewhat animated discussion ensued. Mr. Percy H. Matthew charged the board with incompetence in the past, and with making shallow excuses for failure and unfulfilled promises of renewed prosperity, and he complained of the refusal of directors to give information which was asked for at the meetings. Mr. J. Collis Bird agreed that the time had arrived when the company should be reorganised. The capital of 1,000,000*l.* was simply farcical, and should be reduced, so as to give the ordinary shareholders a chance. The Chairman having replied, the motion was adopted.

WRIGHT, LAYMAN & UMNEY (1909), LTD.—In our issue of June 24, 1899, we reported that the old-established business of Messrs. Wright, Layman & Umney, wholesale druggists and manufacturing chemists, Southwark, S.E., had been registered as a limited company for family reasons. In order that the shares may be offered for public subscription the company has been re-registered (as noted above) with a capital of 90,000*l.* in 6-per-cent. preference shares and 45,000*l.* in ordinary shares, all of 1*l.* each, and of these 60,000*l.* of the 6-per-cent. preference shares are now offered for subscription at par. The purchase-price of the business (including Wright's coal-tar soap, which has developed greatly during recent year, has been fixed at 125,000*l.*, of which 10,000*l.* is for the trade-marks and registered designs and 66,863*l.* 17*s.* 10*d.* for the goodwill, while the leasehold properties are valued at 16,011*l.*, the stock-in-trade 21,750*l.*, cash 2,930*l.*, and book-debts 23,913*l.*; the total (76,863*l.*) being subject to trade liabilities of 15,469*l.* as at December 31, 1908. The net profits of the business averaged 14,313*l.* in 1905-8, the year 1907 being the worst (13,026*l.*), when the prices of raw materials for soap were exceptionally high. The vendors retain the management of the business, with Mr. Charles Umney as chairman and Messrs. H. C. Wright, J. C. Umney, F. N. Layman, and E. A. Umney as joint managing directors for five years. They and Messrs. C. N. Layman and E. N. Layman (who are also directors) retain the whole of the ordinary shares (45,000*l.*), as well as

30,000*l.* preference shares. The amount required for the 6-per-cent. dividend on the preference shares is 5,400*l.*, or a little more than a third only of the annual profits. In allotting shares preference will be given to chemists as buyers of Wright's coal-tar soap and other products of the company, the directors recognising the interest which their fellow-pharmacists have shown in their price-protection and other efforts to uphold the pharmaceutical status. The subscription list will be opened on Monday, June 21, and closed on Thursday, June 24. Applications should be addressed to the London Joint-stock Bank, Ltd., 5 Princes Street, London, E.C., and its branches, or to the registered office of the company, 48 Southwark Street, London, S.E. In consequence of the formation of the new company the old one will be formally and voluntarily wound up.

SANITAS CO., LTD.—The annual meeting was held at the company's works, Locksley Street, Limehouse, London, E., on June 16, Mr. C. T. Kingzett, F.I.C., F.C.S., in the chair. The room was comfortably crowded with a harmonious company, as shown by the fact that no questions were asked and all resolutions were carried without any dissentient. The Chairman, in moving the adoption of the annual report and balance-sheet, first dealt with some conceptions which are prevalent concerning the extent of the disinfectant trade. Dr. S. Rideal said before the London School of Tropical Medicine that the disinfectant trade in this country is enormous, and quoted figures supplied by a manufacturer, who said he had sold in 1905 28,000 gals. of a certain disinfectant (containing less than 3 per cent. of carbolic acid) and no less than 66,000 gals. in 1907. He considered the volume of the disinfectant business cannot be adequately described as enormous, but indeed has very limited proportions. It is divided between the supply in bulk to local bodies and the retail in bottles or tins, the bulk supply to the public being insignificant. However, the value of the above 66,000 gals. of disinfectant, at 9*d.* per gal., would only be 2,475*l.* Mr. Kingzett also referred to Professor Hewlett's Milroy lectures, in which similar statistical statements were quoted, and to Sir James Crichton Browne's advocacy of a legal test for disinfectants, adding that the striking improvements in the public health (so far as the use of disinfectants is concerned) are due rather to their preventive powers than to their germicidal properties. Proceeding to comment upon the report of the directors (see *C. & D.*, June 12, p. 904) Mr. Kingzett stated that there had been steady progress in the sale of the company's products, notably "Sanitas-Okol" and "Sanitas-Bactox," to the high efficiency of which he referred in detail. Mr. Kingzett concluded with a reference to the redemption of debentures. The retiring director (Mr. Russell) was re-elected, and the auditors were re-appointed. Mr. Kingzett, in reply subsequently to the vote of thanks accorded to the directors and staff, said the business was founded in 1876, and had paid substantial dividends since 1881. Originally they made two or three preparations; now eighty different lines are manufactured in the works.

MORTGAGES AND CHARGES.—The following have been filed at Somerset House: *Junon, Ltd.* Issue of 50*l.* debentures, part of 1,000*l.* created June 10, 1907.—*Oecil Holliday & Co., Ltd.* Debenture dated June 2, 1909, to secure 5,000*l.* Holder, A. H. Blundell, 16 Serjeants' Inn, E.C.

Information Wanted.

Inquiries for the names and addresses of manufacturers, or other trade information, not traceable by reference to the advertisement-pages of "The Chemist and Druggist" and the "C. & D. Diary," or not filed in our private register, are inserted here free of charge. Postcard or other replies to any of the subjoined inquiries (addressed to the Editor "The Chemist and Druggist," 42 Cannon Street, London, E.C.) will be esteemed.

78/53. Makers of Arctic Lights and Candles.

79/17. Where can "Isoform" be obtained?

75/51. Where can Dermatol Soap be obtained?

77/73. Makers of, or agents for, "Locusticide" (Atlas patent)—a preparation for killing locusts.

78/12. Source of supply for "Animal" or Sheep's Wool for surgical purposes.

79/52. What is "Oleo Brassidate of Mercury," and where can it be obtained?

THERE is no need to be ignorant as to what of a chemical nature is required in the garden or the field when you have it all compactly put in the "Agricultural and Horticultural Preparations" chapter of "Pharmaceutical Formulas."

Parliamentary Representation for Pharmacists.

A MEETING of pharmacists desirous of promoting the direct representation of pharmacy in Parliament was held at the Pharmaceutical Society's house, Bloomsbury Square, on Wednesday, June 9, Mr. J. Rymer Young, as founder of the President's Parliamentary Fund and convenor of the meeting, presiding over a good attendance. He briefly outlined the steps he had taken to establish a representative committee for the purpose of putting into practical operation the various proposals for securing the election of pharmacists to Parliament. He moved the following resolution, which was seconded by Mr. Rowsell, and carried unanimously:

That this meeting of pharmacists hereby resolves itself into the Pharmacists' Representation Committee, with the object of promoting and securing the election to the House of Commons of one or more pharmacists as direct representatives of pharmacy; that it shall have power to add to its number such pharmacists as may be prepared to aid the objects of the committee; and that the President of the Pharmaceutical Society in charge of the President's Parliamentary Fund be *ex officio* a member of the committee as well as of any executive sub-committee thereof.

Mr. Young was unanimously elected permanent Chairman of the Committee; Mr. W. J. Uglov Woolcock was appointed Secretary.

A discussion then took place as to the best methods to be adopted for procuring the means to carry out the objects the committee have in view, and a number of suggestions were submitted and discussed. Eventually it was unanimously agreed—

That the manner of collecting funds be left in the hands of the Chairman, and that he be asked to employ such means as he thinks fit in approaching the pharmacists of this country.

Further, the Secretary was directed to obtain, by means of the Society's divisional officers and officers of pharmaceutical associations, definite information as to the amount and character of the political influence available among the pharmacists of Great Britain, and how much of it can be placed at the disposition of the committee, which comprises:

John Rymer Young (Chairman), C. B. Allen, W. R. Barnes, J. T. Barrett, E. H. Barritt, F. Boothroyd, J. F. Brown, B. L. Burrell, G. H. Burroughs, C. G. Caldecott, A. S. Campkin, J. R. Cave, E. R. Cherrett, R. Feaver Clarke, W. E. Clarke, W. Gowen Cross, G. M. Cruickshank, J. Harcombe Cuff, W. L. Currie, A. S. Dean, J. Dolbear, R. D. Douglas, R. M. Ewell, R. Fitzhugh, H. Wippell Gadd, C. Gartside, J. F. Gibson, D. Gilmour, J. P. Gilmour, W. S. Glyn-Jones, A. Goldthorpe, W. H. Grayson, J. F. Harrington, A. Hagon, W. F. Hay, Walter Hills, E. M. Holmes, J. Humphrey, T. H. W. Idris, J. Jones, G. J. Knight, E. W. Loveless, C. A. Macpherson, J. H. Mather, A. R. Melhuish, W. R. Mitchell, C. Morrow, E. T. Neathercoat, G. T. W. Newsholme, J. P. Norwood, W. P. Orrell, C. J. Park, J. C. Pentney, J. F. Robson, P. F. Rowsell, J. B. Shattock, H. Soper, A. W. Southall, G. Squire, A. Stooke, R. C. Thursfield, R. C. Walshaw, D. Watt, Edmund White, J. S. Whyte, F. A. Williamson, Cornelius Willson, A. J. Wing, G. S. Woolley, A. Wright, and W. J. Uglov Woolcock (Secretary), 17 Bloomsbury Square, London, W.C.

We have had a conversation with the Secretary with regard to the project, which he informs us has met with gratifying support so far. The immediate need is subscriptions, such as will enable a contest to be fought at the earliest opportunity. It should be noted that the fund will be used irrespective of party; thus if a pharmacist who is a Conservative comes forward as a Parliamentary candidate with the intention of looking after the interests of pharmacy, the committee would desire to be able to assist him, just as they are now desirous of assisting Mr. Glyn-Jones, who is not a Conservative. The committee has no politics in the administration of the funds entrusted to it for the purpose of securing continuity of representation of pharmacy in the House of Commons irrespective of party. The committee will be glad of the assistance (pecuniary and personal) and advice of active politicians in the retail and wholesale ranks of the trade. We understand that a goodly number of guinea subscriptions have been received.

Westminster Wisdom.

A Record of Parliamentary Progress.

AMENDMENTS TO THE FINANCE BILL.

As already indicated in the *C. & D.*, an enormous number of amendments to the Finance Bill have been placed on the order paper of the House of Commons, and each day the list is added to. Many of these have reference to the new spirit-duties. The question of hospitals and dispensaries figures in the list, and in this connection Mr. Arthur Fell, who has evinced the greatest interest in the matter, proposes to move an addition to Clause 61 as follows:

But any hospital or dispensary using any of the articles referred to in this sub-section shall be entitled to an allowance or re-payment of the additional duty paid in respect of the spirit under this Act.

Sir William Bull proposes to omit the whole of Sub-section 2, which relates to the proportionate increase of the duty, and also to move to reduce the duty from 3s. 9d. to 2s. per gal. He also proposes to move the following new clause:

Any person using any of the spirits in Parts I. and II. of the third schedule to this Act for medical purposes under the supervision of a properly qualified medical attendant shall be entitled to an allowance or rebate of the whole amount of the duty paid under this Act in respect of such spirit.

On the other hand, a large number of amendments have been placed on the paper for the purpose of reducing the duty on motor-spirit from 3d. to 1d.

Mr. Joynson-Hicks also proposes, in regard to the clause defining motor-spirit, to move that it shall be defined as petroleum-spirit of a specific gravity of less than 0.80.

THE SPIRIT-DUTIES.

In the House of Commons on Monday, Mr. A. Fell, M.P. for Great Yarmouth, asked the Chancellor of the Exchequer what is the principle upon which the increased duties on chloroform and various kinds of ether are imposed under the Finance Bill, and why any higher duty than 3s. 9d. per gal. should be levied on such spirits.—The Chancellor of the Exchequer, in reply, said special duties on certain special articles—including chloroform and the various kinds of ether—have been in force for many years. They were originally fixed by reference to the estimated quantity of spirits ordinarily used in their manufacture. By the present Finance Bill the rates are raised proportionately to the increase of the spirit-duty. The Chancellor of the Exchequer added that he is considering the whole question.

Mr. Jeremiah McVeagh: I wish to ask the Chancellor of the Exchequer whether he is aware that spirits in the form of medicine are not a luxury—(laughter)—and whether he will, under the circumstances, consider the propriety of remitting the whole of the taxation on these spirits when used for medicinal purposes. (Loud laughter.)

Mr. Fell next asked the Chancellor of the Exchequer whether he could state the total amount of revenue which he anticipated he would raise from the new duties on chloroform, ether, and other drugs.—The Chancellor of the Exchequer said: I am not in a position to give any exact estimate of the revenue for the current financial year from the duties on these particular articles. The total net revenue during the last financial year was 8,127l.

Mr. Fell again returned to the matter on Wednesday, asking if the additional duties on chloroform, ether and collodion are for the purpose of raising further revenue or for protecting whisky and other potable spirits from unfair competition.—The Chancellor thought the question somewhat absurd, whereupon Mr. Fell asked what was the reason for the tax upon collodion and chloroform being 6s. and that on whisky only 3s. 9d.—The Chancellor of the Exchequer: It is not a duty upon chloroform; it is only a duty upon spirits. There is, of course, a practical difficulty in exercising the necessary supervision upon every chemist's shop if you are to have a special inspection of small amounts of spirits which are included in these preparations.—Mr. Fell: Then why should you have a tax upon these medical preparations at all?—No answer was returned.

The Chancellor of the Exchequer has informed Mr. Pike Pease that the amount of spirits which it is estimated will

pay duty and be retained for home consumption in 1909-10 will be: Home-made spirits, 24,000,000 gals.; imported, 5,300,000 gals.

The Chancellor of the Exchequer was asked in the House of Commons on Wednesday by Mr. Will Crooks (for Mr. T. F. Richards, the Labour member for Wolverhampton West), whether he was aware that the extra duty of 3s. 9d. per gal. on spirits would mean 6s. per gal. extra duty on rectified spirits of wine, so largely used in pharmacy in the preparation of medicines, ether, chloroform, sal volatile, balsams, tinctures, etc.; whether he was aware of the fact that the wholesale druggists were already charging 6s. extra per gal.; and whether, under these circumstances, he could see his way to relieve the Friendly Societies' medical associations by exempting spirits used for medicinal purposes only.—The Chancellor of the Exchequer in reply said: I am aware of the fact mentioned by the hon. member, and have given the matter very sympathetic consideration. I should have been glad if it could have been feasible to exempt from the additional taxation spirits used for medicinal purposes only, but, as I have already explained to the House, the practical difficulties are very serious.

The Chancellor of the Exchequer was asked in the House of Commons on Thursday afternoon, June 17, by Mr. A. C. Morton, member for Sutherlandshire, whether he would provide in the Finance Bill to exempt hospitals, dispensaries, and other charitable institutions from the tax on spirits used in medicine.—The reply had not become available up to the time of our going to press.

THE WINE-LICENCES.

The attention of the Chancellor of the Exchequer was directed by Mr. H. C. Lea, in the House of Commons on Monday, to the fact that under the Budget the only person who will henceforth be able to sell a quarter-bottle of champagne is the publican. The right hon. gentleman replied that there would be no objection to the sale of wine in smaller bottles than the reputed pint if the total quantity sold was not less than the quantity which would be contained in a reputed pint bottle.

TESTS FOR MOTOR-SPIRIT.

Mr. J. F. L. Brunner has framed a series of questions regarding the tests for motor-spirit, which he proposes to address to the Chancellor of the Exchequer next week. The hon. member will ask the Chancellor to publish the regulations prescribing the tests for motor-spirit to be made by the Commissioners of Customs and Excise under the Bill; he will also inquire whether there will be any appeal against the regulations of the Commissioners prescribing the tests for motor-spirit and by the Treasury for calculating the unit of horse-power of motors; and whether there is any precedent for giving a Government Department power to fix the limit of taxation.

NEW ANÆSTHETICS BILL.

As already foreshadowed in the *C. & D.*, Dr. G. J. Cooper, having withdrawn his Medical Acts Amendment Bill, gave notice on Tuesday of his intention to introduce a new Bill which should deal with the question of the administration of anæsthetics. The new Bill will be entitled the Anæsthetics Bill, and its backers include, besides himself, Sir William Collins, Sir Walter Foster, Sir J. Williams Bann, Dr. Rutherford, Mr. Carr-Gomm, Mr. A. Allen, and others. The main feature of the new Bill is that dentists are permitted to administer chloroform, and it is also required that they shall have the same training in this respect as members of the medical profession. This is to take effect after the year 1912, and unless they receive that particular training they are not to be placed on the register. There is no possibility, of course, of the Bill making any progress during the present Session, as the Government are not disposed to support it in view of the fact that a Departmental Committee is sitting at the present time and inquiring into the whole question on the administration of anæsthetics. Indeed, it is freely rumoured that it is the intention of the Home Office shortly to introduce a Bill of their own dealing with the same question.

THE MEDICAL ASPECT OF DAYLIGHT SAVING.

Sir Thomas Barlow, M.D., gave evidence on June 15 before the Parliamentary Committee at the House of Commons on the Daylight Saving Bill. Sir Thomas said he thought that the medical case for the Bill was that it was an attempt to make it possible for working people in some slight degree to approximate to a more natural mode of living. Most people would agree that in a temperate climate like ours the most natural mode of living is to be out in the open air and sunshine as long as possible in the day and to reserve the dark hours for sleep. If the principle of the Bill were accepted it would lessen the amount of artificial light in the workshop and thereby do a great deal to safeguard the eyesight of the workers. The most important reason, from the medical point of view, why the Bill commended itself was because it would undoubtedly give more opportunities for the enjoyment of open-air games and exercises.

THE SALE OF AGRICULTURAL POISONS.

In reference to the question which was addressed by Mr. P. Snowden to the Home Secretary in the House of Commons, and his reply on Thursday, June 10 (as reported in the *C. & D.*), as to the indiscriminate issue of licences for the sale of agricultural poisons in districts where the facilities given by chemists are already adequate, the hon. member informed our Parliamentary representative that certain boroughs were issuing licences to seedsmen and ironmongers. It was distinctly laid down in the Act of last year, he thought, that these ordinary traders were only to be licensed in cases where there are not sufficient facilities at the ordinary chemists' shops. In his own constituency—Blackburn—he had a list of such places, and, in accordance with the request made to him in the House of Commons last week, he has supplied the Home Secretary with a copy.

PIRACY OF TRADE-MARKS.

The Association of Chambers of Commerce of the United Kingdom having called the attention of the Foreign Office to the piracy of British trade-marks and trade-names—especially in Argentina and Japan—Sir Edward Grey has replied that protection is already afforded by the Industrial Property Convention of 1883 in those countries which had adhered to it, but that of the two countries mentioned the Argentine Republic has not up to the present adhered. If the Association would furnish specific instances to show that the Convention does not afford adequate protection, his Majesty's Government will be happy to consider the propriety of making fresh proposals. As regards Japan, a new law has been passed and will shortly come into force which appears to be a great improvement on the former one. Sir Edward understands that the difficulties experienced by British traders in Japan are almost entirely due to the omission to register the British trade-marks in that country, where registration, and not user, is the test of ownership.

New Books.

These notes do not necessarily exclude subsequent reviews of the works. Any of these books printed in Great Britain can be supplied, at the published price, to readers of this journal on application (with remittance) to the Publisher of "The Chemist and Druggist," 42 Cannon Street, London, E.C.

Beek, R., and Weed, W. H. *Nature of Ore Deposits*, 257 illus. 9½×6½. Pp. 700. 25s. net. (Hill Publishing Co.)

Chavasse's Advice to a Mother, on the Management of her Children, etc. 16th edit. rev. by T. D. Lister. 7½×5. Pp. 462. 2s. 6d. net. (Churchill.)

Chavasse's Advice to a Wife, on the Management of her own Health, etc. 15th edit. rev. by G. D. Robinson. 7½×5. Pp. 368. 2s. 6d. net. (Churchill.)

Clowes, F., and Coleman, J. B. *Elementary Practical Chemistry*. Part 2, Analytical Chemistry, Qualitative and Quantitative. 6th edit. 7½×4½. Pp. 258. 3s. 6d. net. (Churchill.)

Detmer, W. *Practical Plant Physiology*. 2nd edit. Translated by S. A. Moor. 8½×5½. Pp. 576. 12s. (Sonnen-schein.)

Green, J. R. *Botany*. 12mo. Pp. 128. 1s. net (Dent's Scientific Primers). (Dent.)

Observations and Reflections.

By "Xravser."

The Hanbury Medal,

which is probably the most honourable award, specifically pharmaceutical, in the world, has been this year adjudged to Professor Tschirch, of Berne, a German by birth and training. Dr. Tschirch is the fifteenth of these gold medallists, and no doubt he has well earned the distinction to be conferred upon him. I think, too, it may be cordially admitted that the laureates so far chosen have all justly fulfilled the conditions by which the adjudication is limited; that is to say, they have all in a special degree manifested "high excellence in the prosecution or promotion of original research in the chemistry and natural history of drugs." Within that definition, by no means a narrow one, it is probable that the best men have been selected; but the scope of work, especially as regards the chemistry of drugs, has been vastly extended since the trust was created. Several of the pharmacists honoured, particularly Dragendorf, Ladenburg, and Hesse, had done notable work in the analysis and synthesis of the alkaloids; studies which preceded and led the way to the perhaps more remarkable development of structural chemistry, the creation of new compounds altogether, built up with scientific prescience and possessing the physiological activities anticipated from them for which it was supposed not long ago that living material was essential. No one of the many workers who have contributed to this great revolution in pharmaceutical chemistry has been picked out for the award, and it may be that the terms of the trust preclude any such selection.

The New Phase

of the Pharmaceutical Society's history, sketched in an editorial last week, opens a field for contemplation if not for discussion. The writer's indication of the modern political tendency of the Society towards a refined sort of trade unionism, though he does not employ the term, cannot be challenged; but it is possible that "some with long memories," which is his euphemistic way of referring to the few old fogies among us, may not entirely share his apparent satisfaction with the "march of events," or the hopefulness with which he anticipates the work of the "new spirit" which is to "get rid of the accumulation of traditional precedents, established when the Society was an exclusive body." Even those whose views are merely "survivals" (another euphemism, implying fossilism) do not necessarily despise commercial aims or condemn combinations which seek to secure material benefits. But it is just possible to cordially approve of these, and yet to retain a lingering attachment to the traditional idea that pharmacy was something to be interested in as well as a means of livelihood; and it may be that some of the manifestations of the "new spirit"—such as the insistence on "organisation of the craft" to terrify those that oppose us, the demand for a staff of inspectors to hunt down infringers of Pharmacy Acts, the eagerness for titles to impress the public with, and the passion for knowledge of popular and profitable compounds with the object of imitating them—do not fully commend themselves to the ancient minds for whose prejudices we cannot help having some sympathy. The article on which I am commenting certainly does not advocate any of the policies hinted at, nor is the "new phase Council" at all committed to them; but they are in evidence, and will direct the new spirit if they can.

Medical Financial Prospects

are discussed in the "British Medical Journal" in a lengthy article, decorated with tables and diagrams, all of which only state and restate the

statistical fact that in England and Wales in 1881 the proportion of registered medical men to the entire population was 1 to 1,700, while in 1908 it was only 1 to 1,407. In other words, the number of doctors has grown more rapidly than the general population in the ratio indicated. This is not so bad as it has been. In the years 1897-1907 inclusive the average proportion of possible patients per doctor was a little less than it is now; in 1901, which was the worst year, only 1,381 could be reckoned on. But it does not follow from these figures that the medical profession is worse off than it was. Even if our family doctors' bills have not gone up we are certainly paying a good deal more for medical advice—or, to meet certain objectors, let us say for medical interference—out of rates and taxes than we did thirty years ago. Mr. John Burns has several times remarked on the rapid rise of the bill for public vaccination; and State and municipal appointments of medical men are very much more numerous than they were. New diseases have appeared, and some of them are expensive ones; but whether these are balanced by the diminished rate of the old ones cannot be estimated, because, even if the death-rate is lowered, attacks, and consequently attendances, may have been as frequent. Moreover, all statistics agree that the nation is growing in wealth—or at least was before the present Budget—and the doctor's income is more dependent on that factor than on any other.

Twopence per Bedstead

does not strike one as a very royal royalty for an eminent surgeon to charge for his name and idea. In the trade-mark action in which a Birmingham firm succeeded in obtaining the name of "Lawson Tait" as a trade-mark for a particular pattern of bedstead which that gentleman had designed or suggested, it did not transpire how many twopences they had paid; but evidently the business was good enough to go to law about. The peculiarity of the "Lawson Tait" bedstead is that the whole of the centre, as distinct from the head and foot, is in one piece. Not being an expert in bedsteads, I cannot say what are the particular advantages of this construction, nor how it differs from that of the ordinary model. But the effect of the recent judgment is worth noting. Apparently, the special design was never patented, and presumably its sale has been influenced, and was perhaps created, by the recommendation of Mr. Lawson Tait. Suppose it had been patented, anyone could make the "Lawson Tait" bedstead fourteen years after. Now nobody can ever make one and so describe it. I expect it would even be an infringement for another manufacturer to advertise a bedstead "made on the principle advocated by the late Mr. Lawson Tait."

To Fathom the Mystery

about the Pharmaceutical Society's neglect of the Pharmaceutical Section of the Congress of Applied Chemistry is a problem which has been set me. The Society is, or ought to be, the official representative of pharmacy in this country, and might have been expected to largely influence if not control the Section referred to. Perhaps it did not get the chance of controlling, and it is thinkable that this may have been the reason for its cold attitude on an occasion which scientific chemists at least regarded as important. Or possibly the Society looks upon chemistry as its very remote ancestors did, merely as a satellite of its own vocation, and resents the more modern conception of pharmacy figuring in the train of chemistry. But the most likely explanation of the neglect, after all, is that the Pharmaceutical Council was so busily engaged in trying to build up a trade in shilling certificates that it had forgotten all about the Congress until its President got an invitation to the Lord Mayor's dinner.

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Editorial Comments.

The Spirit-duty.

THE opposition to the increased duty on spirits is growing as the time for full consideration of the proposals by Parliament approaches. Even in Revenue circles it is felt that the 33 per cent. increase is too much, and the "Revenue Review" points out that, so far as whisky is concerned, the result will be a great diminution in the consumption of the better-class pot-still products and a largely increased consumption of cheap patent-still spirit, besides employment of cheaper materials instead of malted home-grown barley. While we do not share the view that patent stills cannot produce as wholesome spirits as pot stills, if they are put to it, the jeremiad of our contemporary is justified by the fact that the trade of some distillers of the finest malt whiskies dropped quite 50 per cent. during the past month, and this section of the trade is making a strong effort to get the Chancellor to modify his proposals. In our own matter of spirituous medicines, the probability of some modification is apparently remote, but if justification of our remarks last week were necessary, it will be found in the questions put to and answered by the Chancellor of the Exchequer this week, and the amendments to his spirit proposals which have been notified. It will be seen that these are more in the interests of hospitals and medical men than of pharmacy as represented by the drug-trade, but what may be done for the one must be done for the other—a fact which we have kept constantly in view. Should anything be done, the principle of rebate is likely to be adopted. We mentioned at the outset of the agitation that the petrol rebate is a precedent for the spirit rebate, and that the Revenue machinery for the one might be utilised for the purposes of the other. With the Finance Bill before us we may look more closely into the proposition. Clause 65 states that petrol not used for motor-car purposes shall be tax free. The clause is rather a complicated one, but the gist of it is that petrol may be supplied tax free or the tax be remitted, either wholly or partially, on application of the user. This is an important precedent to establish on an article bearing a Customs duty which is charged,

like foreign alcoholic spirit, on clearance for home consumption. The analogy is all the more striking inasmuch as both alcoholic and motor spirits may go to approved premises tax free. The precedent established is the earmarking, so to speak, of a particular kind of spirit when used only for a particular purpose. Petrol for car-driving only is taxable, notwithstanding that the same article is usable for many other purposes. If one person can satisfy the Chancellor of the Exchequer that the spirit received by him was not used in a taxable capacity, why cannot another person do the same with a different kind of spirit? To urge that the duty is very low in the one case and very high in the other, and that the risk to the Revenue is correspondingly greater, is to admit that the petrol fiscal method is a loose and dangerous one to the interests of the Revenue. All the little users of petrol will be enabled to obtain rebate of the tax; all the big users of petrol will be enabled to get the spirit tax free. How can the Revenue authorities prove that the applicant for rebate has not used his spirit in a taxable capacity, whether it be petrol or alcoholic spirit? That is a question of Revenue administration, and, so far as petrol spirit is concerned, it is answered in the Finance Bill. Up to this time there has never been any attempt made to differentiate between the uses of an article good for many purposes, and to tax only the spirit that goes into the motor cylinder is an act dead against all Revenue practice and experience. Revenue officials have to take the question of destination now into consideration. Hitherto, in the case of alcoholic spirit, the Government chemists have been able to put their finger-prints on industrial alcohol by adding certain ingredients, but even in this particular the principle has had to be violated in granting the use of pure duty-free alcohol to certain manufacturers. The same gentlemen may yet come to the rescue of the Chancellor and chemically ear-mark "non-car" petrol from "car" petrol if fraud be eventually discovered, but on the face of it the Chancellor is satisfied of the practicability of his rebate-relief scheme without any chemical differentiation and stands to it. Let the words "medicinal spirit" be substituted for "motor spirit" in Clause 65 of the Finance Bill with a view to obtaining taxation relief on such, as distinct from spirit used for beverages, and this is how the revised section would read:

1. Any person using alcoholic spirit for purposes other than supplying spirit for beverages shall be entitled to an allowance or repayment of the duty paid in respect of the alcoholic spirit under the Spirits Act.
2. Alcoholic spirit may be delivered without payment of duty, etc. (a concession is already in force).
3. If any person proves to the satisfaction of the Commissioners that he has within the previous six months used any quantity exceeding 5 gals. of alcoholic spirit for purposes other than use as beverages or perfumery, he shall be entitled to obtain from the Commissioners a repayment of any duty which had been paid in respect of the spirit.

We here speak of the whole duty, although the claim now made is only in respect to the additional duty. Our readers will readily see that, by this transposition of alcohol for motor spirit, reliance to a large extent will have to be placed on the *bona fides* of the applicant seeking drawback, no matter whether it be petrol or alcohol. Big manufacturers of medicinal spirits could give substantial security if they worked on a duty-free article, otherwise no bond would be required any more than motor-spirit users give bond. Revenue officials will probably take proposals like these with a shiver, but the present Chancellor's method of dealing with motor spirit must have caused considerable perturbation and ill-bodings. We are living in different times and meeting with different ways of handling matters. The insuperable of yesterday becomes the basis to-day and a bridge to-morrow. Here, then, is demonstrated the

administrative possibility from the Revenue point of view, and the exposition goes no further than is justified by what the Chancellor has indicated in the House and in reply to various interests which have been addressed to him. But Mr. Lloyd George has not yet admitted the dominating principle that the use of alcohol as a solvent or preservative, and not as a beverage, should free it from the fiscal duty. That is the point towards which he is now being pushed by members on both sides of the House acting on behalf of hospitals and others interested. It would be rash to say that the hopes of the participants in this matter will be realised, for considerations of monetary requirements for national purposes generally override new principles, admittedly desirable and right. Nevertheless, the opportunity of pharmacists proving their case is now, whether the consummation comes at present or later, and we believe that there is good ground for saying that if the Chancellor of the Exchequer is convinced that there is a case for consideration of the principle that taxation of alcoholic beverages should not extend to the use of alcohol for the production of medicines, the wholesale section of pharmacy would unite with the retail in welcoming reform.

Since the foregoing was put into type the Chancellor has given, in reply to Mr. T. F. Richards, a more definite pronouncement on the spirit rebate than he has hitherto done. While he is sympathetic, he holds out no hope that he can exempt from additional taxation spirits used solely for medicinal purposes. Here the matter rests for the moment, but it is unlikely that the portion of the Bill relating to this question will be reached for several weeks. Now that the Welsh Church Disestablishment Bill has been dropped, the Committee Stage of the Finance Bill will commence on Monday.

Mr. Richards Shows the Way.

In a recent issue of the "Journal of the British Gardeners' Association" we find the following remarks regarding the sale of the agri-horticultural poisons:

It looks as if the Pharmaceutical Society, which has done absolutely nothing towards inventing insecticides or fungicides for the use of the gardener, is now endeavouring to seize the business done in these important articles of commerce from those who have had not only the knowledge to invent them, but who have also spent thousands of pounds in capital and labour in bringing their specialties to the notice of the gardening public. If a huge business was not done in this particular trade, it is possible we should not have heard of the Pharmaceutical Society's anxiety to attend to the sale of poisonous compounds for horticultural purposes. . . . We understand from Mr. Richards that, whether a horticultural tradesman is successful or not in obtaining a licence under the new Act, he can still solicit orders, and can have sent through the manufacturer the poisonous preparations direct to his customers; he can also legally pass the transaction through his books and collect the money. On no account should he apply to the chemist for the preparations he may require.

There seems to be here a colossal display of ignorance regarding the Pharmaceutical Society and its functions, but it is the *obiter dictum* in the last sentence to which we desire to call special attention. Mr. Richards presumably bases his opinion on the decision in the Pharmaceutical Society *v.* Smith, which was the agency case. He is somewhat bold in implying that the 1908 Act does not modify that decision, which was solely in reference to a particular transaction, and substantially amounted to saying that the wrong person was prosecuted, Smith having committed no offence. The law now provides special means whereby such persons may legally sell such poisons by retail, if the local authorities think fit. The transactions are such as to require a licence under Section 2, and are not changed in nature (as to retail or wholesale) by the fact that the retailer simply receives the order and transmits it *à la* Smith for another to execute. The person who executes it must adhere to the

law, and the transaction requires the exercise of the statutory conditions, such as knowledge of purchaser, registration of sale, etc., which are conditions of Section 2. Thus the person who executes the order *à la* Smith, whether he be manufacturer, wholesaler, or retailer, must see that the statutory requirements are carried out. It is physically impossible for him to do so unless the purchaser is on his premises, and it is illegal for his agent to act for him in this respect. The law must be obeyed. Section 2 gives the Pharmaceutical Society an opportunity of applying the law more strictly in regard to these small transactions which the section purposes to legalise. Thus, if Mr. Richards is to send his poisonous preparations direct to a retailer's customers, Mr. Richards must be licensed, and must perform his operations in the locality which his licence covers, and the sales and registration must be made in his presence. If, on the other hand, he should prove his part of the transaction to be a wholesale one, one element in the proof being evidence that the retailer gets a profit on the stuff, that will throw the responsibilities of Section 2 upon the retailer, and we think there should not be much difficulty in satisfying a Court that this is the object of the new legislation. It is clear that Parliament wanted the law with regard to the sale of arsenic and tobacco in these compounds to be enforced to the fullest extent, except when qualification is unobtainable, and the sooner Mr. Richards' proposed circumvention of it is tested the better will it be. If he is proved to be right, a strong case for appeal to Parliament will be created.

The Opium-crop.

THERE appears to be a consensus of opinion that we are to have a good and rich crop of Turkey opium this year. The probability therefore is that the price will decline, but this may not occur until July or August, when the farmers have completed the harvesting of the juice. It appears that the winter sowings (which are the chief) were effected under very favourable conditions and on a much larger scale than usual, but the spring sowings met the retarding influences of drought. Had both sowings been successful a harvest of 9,000 to 10,000 cases of opium was looked for, but at the present time 7,000 to 8,000 cases is the estimated yield. This is a good average. The world's annual requirements are given as 6,000 cases, which recently have had to be met to the extent of 1,500 cases by existing stocks in Turkey. There is said to be 1,200 cases of the old crop in Turkey now, but possibly much of this is of inferior quality. The probability is that there is no actual shortage, but that stocks in manufacturers' and consumers' hands are low, and, although prices are at a comparatively high level, nobody cares to buy just on the eve of the new crop. The idea prevails that, given a continuance of favourable weather during the remainder of June and July, prices must come down. Should there be a return to more normal conditions this year, the inference is that the price of morphine must also be reduced, and its present position is regarded as "weak"; but until new raw material is available at decidedly lower prices there is little room for a reduction. The fact that the morphine convention was dissolved in May has led to prices at which more or less secret business has actually been done; but we understand that the demand has been extremely small, as might be expected on the eve of a new crop of opium. Another reason for the weakness of the morphine market is the fact that the Customs authorities at the various ports of entry in the Far East have been exceedingly vigilant of late in preventing smuggling. They appear to have been

particularly active in Siam, where the demand for morphine has greatly exceeded the supply which local chemists were allowed to import. This led to the adoption of illegal methods. Certain chemists in Bangkok, it appears, were in the habit of receiving registered letters of the same description as those received every mail by many other firms in Bangkok. No suspicion was attached to those coming from London, until one day an envelope damaged in transit disclosed the morphine powder. Then the authorities took possession of a number of these letters, and an analysis left no doubt as to the nature of their contents. To show how importation was being carried on, it may be mentioned that the weight of one lot of registered letters seized by the Customs, addressed to one Bangkok chemist, including the envelopes, was 11 lb. odd. This ingenious method was successfully carried through for about three months before it broke down. That London houses should connive at smuggling morphine is somewhat surprising, and naturally there is extreme reticence on the subject.

Australian Legislation.

We learn from our Melbourne office that the list of Bills in preparation by a new Commonwealth Ministry, although a fairly lengthy one, does not contain anything affecting proprietary medicines so far as the titles give any indication. Mr. Thomas, the Labour member who was so active in advising the publication of formulæ of such medicines, is now Postmaster-General.

This Year's Conference.

The circular for the forty-sixth annual meeting of the British Pharmaceutical Conference, to be held in Newcastle-on-Tyne on July 26 and 27, under the presidency of Mr. J. F. Tocher, B.Sc., F.I.C., is now ready for distribution. It contains the programme, which has already been published in the *C. & D.*, of the proceedings from the Monday to the Thursday inclusive. The proceedings on Tuesday and Wednesday are to commence at half-past nine each morning, and to conclude in time for luncheon at half-past one. On Wednesday the chief item of the programme will be a discussion on "Should Dispensing be Confined to Pharmacists?" and it is expected that several medical practitioners will take part. A new departure will be made as to the election of officers, place of meeting for 1910, and other matters, which usually terminate the formal proceedings. All these will come on after the luncheon in King's Hall, Armstrong College—which seems to us a good innovation. We hope to refer later to the other features of the programme, the purpose of the present note being to call attention to the fact that Mr. T. Maltby Clague (Hon. Secretary of the Local Committee, 11 Grey Street, Newcastle-on-Tyne) is now ready to book applications for tickets and hotel accommodation. No. 1 book of tickets covers excursions, entertainments, and luncheons on Tuesday and Wednesday, price 10s. 6d.; No. 2, also 10s. 6d., is for the excursion on Thursday, which will include visits to the recently revealed remains of a large Roman city at Corbridge, Hexham Abbey, Naworth Castle, and Lanercost Priory. Hotel accommodation in Newcastle is to be provided on similar terms to previous meetings of the Conference. The Grand Hotel, which is the headquarters, has single bedrooms, including bed, breakfast, and attendance, for 7s., and double, 12s.; the same at the County Hotel; while 6s. 6d. and 11s. 6d. secure the same at the Royal Turk's Head Hotel and the Métropole; and at the Clarendon (which is unlicensed) the charges are from 5s. 6d. to 11s. 6d.

Polished Rice.

One of the recently issued reports of the Local Government Board on public health and medical subjects is by Dr. J. M. Hamill on "facing" and other methods of

preparing rice for sale. The report deals first with the sources and varieties of rice, then with the methods of improving the appearance of the cereal and the effect of such treatment from the health and legal points of view. Apart from the mechanical cleaning of the rice in the milling-process, it appears that various methods are practised of polishing the grain by the use of extraneous matter. A common substance to use is talc made into a paste with glucose, glycerin, and starch paste, and sometimes with mineral oil. This glazing-mixture forms an exceedingly thin coating on each grain, and ensures the adherence of talc in sufficient quantity to give the required degree of lustre to the grain. Glazing contributes approximately 0.2 per cent. of mineral matter to the finished rice. Pigments of various kinds are often added to give an appearance of dead whiteness. A much-used colouring-matter is ultramarine, whose purpose is to neutralise the yellow tint. Aniline dyes are, however, much in favour. Rice varies considerably as regards its translucency, some varieties being very opaque. This opacity can be greatly modified by treatment with oil, whereby the grain obtains a dull pearly translucency which has been found to prove attractive to many rice consumers. For this purpose a vegetable oil, such as arachis oil, is used to some extent, but as oils of this kind have the disadvantage of easily becoming rancid, a mineral oil is more generally preferred. Three gallons of oil is sufficient for 200 cwt. of finished rice. Coloured rice may be oiled, but oil is not employed if the rice is going to be glazed. Dr. S. B. Schryver has conducted experiments to ascertain whether the oil in oiled rice inhibits the action of the digestive enzymes or renders the grain more difficult of digestion. He finds that the small quantity of oil does not appear to have any effect, but on general principles, says the report, the use of a mineral oil should be avoided in any article of diet. In regard to the use of polishing-materials, it is surmised that if comparatively large amounts of mineral matter (1 to 2 per cent.) are introduced into the rice some objection might arise, considering that children and invalids are often given considerable quantities of rice as food. The report discusses the aspect of the question as regards "genuineness" and the requirements of the Sale of Food and Drugs Act, the conclusion being that the fixing of a limit of not more than 0.5 per cent. of mineral matter would amply meet the requirements of traders. There are some useful addenda to the report regarding several of the points raised.

Ancient Eastern Medicines.

AT the conversazione held in Calcutta in celebration of the 125th anniversary of the formation of the Asiatic Society of Bengal, specimens of the following interesting Oriental drugs were exhibited by Mr. David Hooper, F.I.C., F.L.S., the Treasurer of the Society:

AKAKIA.—An extract prepared from the pods of species of *Acacia*.

SILAJIT.—A peculiar exudation from rocks in the Himalayas.

RUSOR.—An extract prepared from the wood and root of species of Indian barberry, formerly called *Lykion*, the celebrated collyrium of the Greeks.

BRU BHOTI.—A medicinal mite known as the "rains' insect" (*Trombidium grandissimum*). The expressed red oil is employed.

SIRISK.—The powdered roots of the giant asphodel of Persia (*Eremurus Aucherianus*, Boiss). The powder forms with water a strong vegetable glue used for making oil-vessels.

GUNJIDEH.—The "sarcocolla" of ancient writers. A peculiar glucosidal exudation from *Astragalus* shrubs exported from the Persian Gulf to Bombay. It is not a gum, resin, or manna.

AZFAR UTIE.—"Scented finger-nails," the opercula of a small mollusc, probably *Fasciolaria tomentosa*, which are used in perfumery. Supposed to be the "onycha," an ingredient in the incense of the Hebrews.

The first six drugs have been described in the "Journal of the Asiatic Society of Bengal" between 1899 and 1906.

Optical Observations.

By A Chemist-Optician.

An Admission.

Recently I quoted a paragraph from the "British Medical Journal," in which a correspondent advised medical men to take up sight-testing, and make themselves "at least as competent as the optologist." This seems to me to be an admission that the optologist, as he terms him, has a knowledge of this work which is superior to that of the average medical practitioner. It is rather rich to read such a statement in a journal which endeavours to prove that the optician has no business at all to attempt to correct errors of refraction. A medical man recently told me that a little knowledge is more than a dangerous thing in connection with optics, and I showed him the cutting, and at the same time gave him a short account of the work opticians are doing, both as regards the study necessary for the qualifications and the research-work which they are carrying on.

Broadening the Outlook.

I notice that during the past winter a good many of the meetings of societies and associations connected with optical work have been devoted to papers, discussions, and demonstrations, the subjects of which have not been purely optical, and I must say that, provided this is not carried too far, I think it is a step in the right direction. It broadens one's views considerably, and gives one an insight into matters which we are apt to consider as "not worth while," if they do not immediately apply to the particular profession in which we are engaged. Besides this we are supposed already to have a good knowledge of our own business, and although we can always learn something new, we may frequently glean valuable suggestions from the methods of others. In these days, when everyone runs one or more side lines, it becomes necessary to have an acquaintance with matters out of the beaten track if we are to keep pace with our competitors. Besides ordinary refraction work, the optician is interested in microscopical work, methods of illumination, opera and field glasses, telescopes, optical lanterns, and I once had a request for a camera obscura. The chemist-optician can turn a knowledge of these matters to advantage by studying the requirements of his neighbourhood. Thus, where there are technical schools or colleges, there is likely to be a demand for microscopical goods, not, perhaps, for expensive instruments, but for the small sundries which are wanted at short notice; and each particular case will suggest its own need.

Advertising Methods.

Among other discussions, there has been a good deal about advertising methods, a subject which interests all of us. I think that there are but few opticians who manage to carry on "pure" refraction businesses, and these few have built up their connection by years of waiting, and by keeping themselves in front of the public in many ways, which if not actually advertisement in the usual sense is very near it. This "brass plate connection," as it is sometimes termed, is a very difficult kind of business to make profitable, as the customer who, in the ordinary way is attracted by the window, is missed. It is well recognised by most chemists in business that the old style of newspaper advertisement of "W. Smith, chemist and druggist, formerly with J. Blank & Co., London, prescriptions accurately dispensed," is no longer of service, and that it is necessary to advertise in a manner which will first catch the eye of the reader, compel him to read the notice, and when he has done so, to persuade him that the advertiser is the right man to go to for his glasses. I am much in favour of the explanatory advertisement, that is the one in which first of all the symptoms are described in simple language, then the cause of the trouble explained, and finally the means of correction. Nowadays most people are sufficiently well-educated to understand the why and wherefore of these things, and if your advertisement is well worded it impresses the reader with the fact that you know your business and are capable of finding the cause of the trouble and correcting it.

Newcastle-upon-Tyne of To-day.

Being the Second of a Series of Articles on the Rendezvous of the British Pharmaceutical Conference, 1909.

Here stately, on Northumbrian soil, she stands,
With brow imperial, pondering vast designs,
While rumours of her greatness and the Tyne's
Are wafted to her ears from distant lands.—*Tomlinson.*

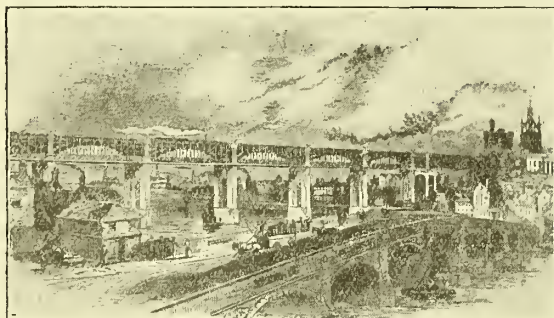
THE population of Newcastle (270,000) does not afford a clear indication of her importance; for this she claims to be the centre of a populous industrial neighbourhood, and the metropolis of many a town and village whose peoples are as jealous of her fame and honour as those who pillow their heads within the city bounds, and all hold

There's neay plaaice like Canny Newcassel.

Just across the deep-lying river is Gateshead, with a population of 120,000, and on both sides of the river, as it runs its twelve-mile course to the sea, town succeeds town with but slight space between, forming a vast Tyneside population. Near at hand also is Sunderland (population 160,000), a rival in some industries, but proud of her bigger sister on the Tyne. So if numbers are to be looked to, the round million would not be far from the mark.

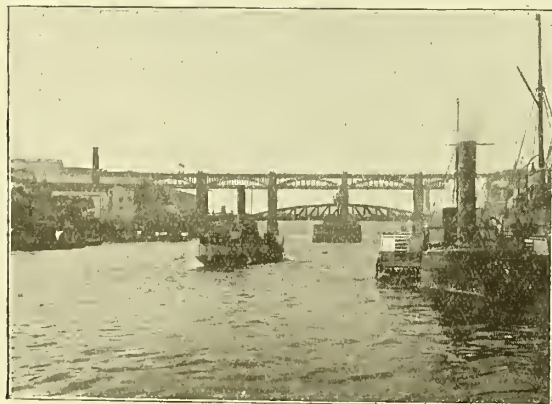
BRIDGES.

In the first article (*C. & D.*, May 22) the early bridges over the Tyne were mentioned. The deep river-bed necessitates bridges of a considerable height, as well as one near



THE BRIDGES IN 1856.

the water-level. Our first picture is from an old engraving of the bridges as they were in 1856, and well illustrates the remark which has just been made. The next shows the High-level and Swing bridges. The latter occupies the site



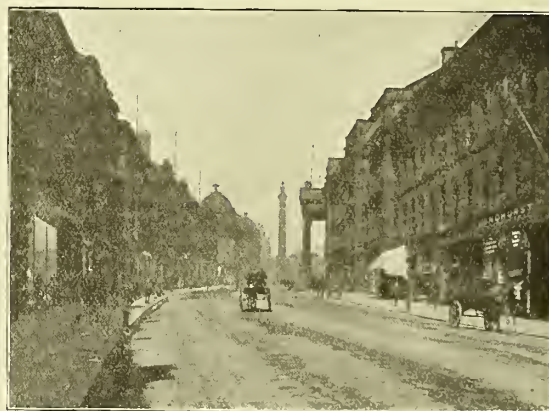
HIGH LEVEL AND SWING BRIDGES.

of the older bridges. It is 40 ft. wide in its carriage and foot ways; it is centrally pivoted on an island of stone and concrete and hydraulically controlled, providing two openings for the passage of vessels up or down the river. It

is wide enough to allow the largest battleship to pass, and does not dread a Dreadnought. To those who take an interest in mechanics it is a unique sight to see this large mass of steel, weighing 1,500 tons, turn about with the ease of a micro-turtable or an office-chair. The bridge was completed in 1876 by Lord Armstrong's firm, and is a proud vindication of his Lordship's early faith in hydraulic machinery. It cost a quarter of a million. It will be observed that a few yards only separate this swing bridge from the famous high-level one. Though now eclipsed by larger and later structures, this bridge was a great triumph for its designer and builder, Robert Stephenson. Eighty-five feet above the water, it carries an ample carriage and foot way, and, at a height of 125 ft., a railway bridge of three lines. It is just over a quarter of a mile long, and was opened in 1850. Higher up the river is another railway bridge built by the North-Eastern Railway Co., opened by the King in 1906, whose name it bears. By this bridge trains pass through to or from Scotland without reversing. Still farther up is the Redheugh Bridge for foot and vehicular traffic.

STREETS.

In the matter of street architecture it is at once apparent to a visitor that Newcastle has had the special advantage of a master mind in producing an orderly arrangement, but not so apparent at first sight, yet equally true, it is that the overcoming of natural difficulties was a still greater feat. For this Newcastle is indebted to the bold conceptions of one of her sons, Richard Grainger, who had as his colleague a really great architect, John Dobson. By arching over a deep ravine to form a roadway, and flanking it with



GREY STREET.

substantial buildings, so disposed as to give a pleasing curve and graceful sky-line, in Grey Street they achieved their greatest success. At its upper end stands "The Monument" to Earl Grey, of Reform Bill fame. Here the street meets the fine of Grainger Street, which, though not so striking in outline, has a splendid array of shops, and is a busier thoroughfare. The triangle formed by these two streets with the line of Neville, Collingwood, and Mosley Streets marks the central part of the city. Northumberland Street, on the Great North Road, is a fine street and a busy one, and leads straight up to Conference headquarters.

THE QUAYSIDE.

with the Exchange upon it, is the focus of the industrial life of the district. Here the ship-chartering of the third port in the Kingdom is done, ships are sold, coal, coke, and iron are sold, and here also what is left of the chemical-trade of the Tyne is transacted. The building itself is a quaint one, and surrounding it is a strange medley of

mediaeval houses and palatial offices of modern type. The quay is occupied by vessels discharging mixed cargoes, the larger imports and the export trade being conducted at the docks down the river and the wonderful coal-staiths on the riverside, both up and down.

CHURCHES.

Newcastle is the seat of a bishopric, but has no cathedral built to be such. On the creation of the See (1880) a very fine church was at hand in the mother-parish of St. Nicholas, which has been made the cathedral church of the diocese. The first church on the site was built by Osmund, Bishop of Salisbury, in 1091, and was destroyed by fire in 1216. Afterwards rebuilt, it received its richest adornment in the middle of the fifteenth century, when



ST. NICHOLAS' CATHEDRAL CHURCH.

Robert Rhodes built its steeple, surmounted by the magnificent lantern-tower, which, for elegance and that truest test of the artistic in architecture, is a thing of beauty from any and every point of view. It stands unrivalled among the spires of our land. Inside, a good reredos and some good carving (both modern) are to be seen, and a large picture by Tintoretto. One of its windows has interest for pharmacists in that it was erected to the memory of a chemist who had a side-line in philanthropy—Joseph Garnett. It has been reproduced in the *C. & D.*, and it will suffice now to say that the four panels show Garnett engaged as fulfilling Matthew xxv. 35-36. The windows of a chemist's shop, coloured carboys and all, and the overhanging portion of the old timbered house form a background. Surely this is an honour that no other knight of the pestle can hope for! Historically the church has records (1) of a peace signed there between England and Scotland, (2) of James I. worshipping in public as monarch of the combined Kingdom, and (3) of an incumbency of two years by John Knox. A quaint story is told that when General Lesley threatened to turn his guns on the tower he was met by the Mayor's reply that the Scots prisoners were being placed there, and that the bombardment might therefore begin at any time.

St. Andrew's Church was built in 1200, probably by King David of Scotland; hence the dedication. It is interesting to the antiquary, and is a landmark for the stranger who would explore the city walls. Of modern churches there is only one of special beauty—St. George's, built by the late Mr. Chas. Mitchell, the partner of Lord Armstrong, whose name is indelibly associated with Aberdeen University through his gift of a hall to Marischal College, the use of which was granted to the Conference last year.

PARKS.

A large expanse of ground not much adorned by the landscape gardener, known as the Town Moor, thrusts a

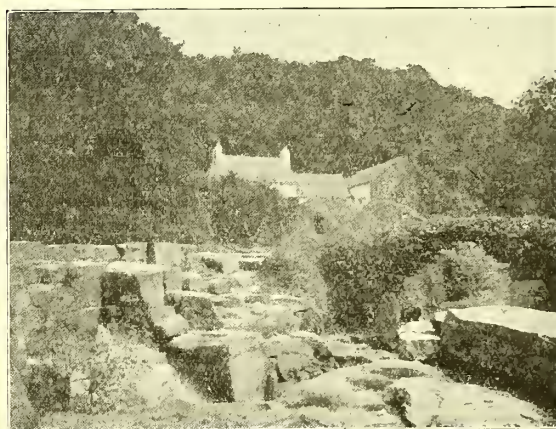
corner right down into the heart of the city, and by its immense space makes a fine playground for many thousands. There are also half-a-dozen other parks, ample in extent, and of the usual type of town parks, but the special feature of all is Jesmond Dene.

"Dene," in the North of England, means glen, and this was such a ravine on the outskirts forming part of the



IN JESMOND DENE.

estate of the first Lord Armstrong, who spent so wisely over it that all his lavish outlay did not take away its natural beauty, but added greatly to it. Now this lovely



THE OLD MILL, JESMOND DENE.

spot, enriched by all that Highland dell or moorland or British park can furnish, stands unique among the gems of British scenery, and when in it one can hardly realise that it is within half a mile of the humming, busy town.

PUBLIC INSTITUTIONS.

The Old Castle itself (illustrated in the first article), as well as the Black Gate, is a museum in which rich antiquarian treasures are preserved—chiefly Roman, of course.

The Hancock Museum has one of the finest insular collections of birds, a goodly show of fossils, and a fine array of Bewick's incomparable woodcuts. The enthusiastic Secretary, who does much to maintain its high standard, is Mr. N. H. Martin, F.R.S.E., who is well known to his fellow-pharmacists. In addition to a large Public Library, Newcastle has a fine library of the Literary and Philosophical Society, which is now well into its second century of existence, and possesses a wealth of books such as is rarely to be found. The municipal buildings are not of special merit, and certainly are more useful than ornamental.

COLLEGES.

By their connection with the University of Durham, the two Colleges of Newcastle have long held University rank,

and their courses of study thus lead up to degrees. The College of Medicine, in Northumberland Road, is a handsome building erected in 1887. Chemistry, botany, and physics are taken at the sister College for the earlier courses, and for the rest of the curriculum ample provision is found in this spacious building. In earlier days, and in an earlier building, botany was taught by H. B. Brady and pharmacy by B. S. Proctor, and the latter course took book-form in Proctor's "Lectures on Pharmacy."

The enormous development of study in physical science, especially in a district like this, has caused the College of Science (Armstrong College) to forge ahead in a fashion



ARMSTRONG COLLEGE.
New Buildings opened by the King in 1906.

worthy of its importance. The College, which covered only two sides of a large quadrangle when the Conference last visited Newcastle, has now been enriched by third and fourth sides, and the increasing interest taken in its work by wealthy manufacturers has admitted of the newer part being executed in a more lavish style so far as ornamentation is concerned, while the equipment has kept pace in the advance. Mathematics, chemistry, biology, engineering, mining, electric engineering, agriculture, and naval architecture have chairs therein, as well as a good Art Department and a good Normal School. Here the Conference will be splendidly housed during its visit, and, as some well known to pharmacists are on the staff, there will be no difficulty in seeing everything. Sir Isambard Owen is the Principal of the College, Dr. P. P. Bedson is the Professor of Chemistry, Professor Potter (formerly an examiner at Bloomsbury Square) fills the botany chair, and the Professor of Physics is Dr. Stroud, the son of a pharmacist.

Low Temperature Research.

AT the Royal Institution, on June 11, Professor Sir James Dewar delivered a discourse entitled "Problems of Helium and Radium," which was a *résumé* of the work that has been done in the preceding twelve months on low temperature. Great progress has been made in the work of reaching absolute zero, much of this being due to Professor Onnes, of Leyden University, where a special laboratory has been fitted up for the purpose of the research on low temperature. It was at this laboratory that helium was liquefied by means of the cold of liquid hydrogen. Sir James Dewar, aided by lantern-slides, explained the complicated machinery employed by Professor Onnes. It was found difficult to see the liquid helium when it was formed because its refractive index is similar to that of the glass container. The temperature of liquid helium is within three degrees of absolute zero. In the liquefaction of gases more has been accomplished within the last thirty years than in the whole 300 years since Boyle first took up the subject. The field is, however, by no means exhausted: the problems of the properties of matter and energy at low temperatures will occupy chemists for the next fifty years. This does not

mean, said the lecturer, that a lower temperature cannot be reached, but to reach nearer to absolute zero than 3° absolute a new gas must be discovered. Then by the use of liquid helium this new gas may be liquefied. The temperature will, however, still be half a degree from absolute zero. Sir James Dewar, during the course of the lecture, mentioned that he has been able to improve his vacuum vessels. They are now made in metal, which is not liable to breakage like glass, and he has been able to devise a vacuum cover for the mouth of the vessel, thus avoiding influx of heat by conduction. The quantity of helium which the Royal Institution has at its command is relatively small. It was mentioned that in addition to the gas obtained at Bath, some is recovered from the well at Meux's brewery in Tottenham Court Road. This well is the deepest in London, as it descends 1,140 ft. below the surface. Reference was made to experiments with the pure specimen of radium chloride, which has been used by Dr. Thorpe for determining the atomic weight of radium. In the course of the lecture the following table of newly discovered constituents of the atmosphere was frequently referred to:

	At. Wt.		At. Wt.
Helium ...	4	Xenon ("stranger") ...	128
Neon ("new") ...	20	X ₁ radium emanation ...	172-176
Argon ("inactive") ...	40	X ₂ radium emanation ...	216-220
Crypton ("hidden") ...	82		

A series of experiments on phosphorescence occupied the latter part of the evening. It was explained that twenty-one years ago Sir James Dewar was lecturing on phosphorescence produced outside a vacuum tube, and for some reason the experiments were a failure when an attempt was made to show them in the lecture-theatre. The lecturer has now discovered that a trace of hydrogen or ether inhibits the phosphorescence. The experiments were successfully completed, the effect of admitting traces of ether and hydrogen in extinguishing the glow being shown.

Among the exhibits in the library was one by Mr. F. H. Glew, chemist and druggist, Clapham Road, S.W. Mr. Glew demonstrated that electricity can be drawn from the outside atmosphere by using radium at the end of a wire. For this purpose he had erected a fishing-rod on the roof of the Royal Institution; from this was hung an insulated wire charged with radium. The lower end of this wire passed into the library at a window, and was there connected to an electroscope designed by Mr. Glew, which became fully charged every few seconds with positive electricity drawn from the upper atmosphere. The explanation of the effect is that the radium acts by ionising the air at the elevation, which was about 60 ft., therefore the air can give up its charge if there is any difference of potential between the two ends. Similar apparatus has been working on Mr. Glew's house for about two years. Some of the effects are curious and interesting, especially when thunderstorms are about. Thunderstorms can be detected when they cannot be detected in any other way, except perhaps by radio-telegraphy. Mr. Glew also gave a demonstration with the emanation from actinium in the apparatus which he has named the actinium lamp. In this apparatus, which is very simple, the period of decay (the half period is about four seconds) was readily demonstrated to the spectators.

HUMAN AILMENTS are intelligently treated in "Diseases and Remedies." It is written specially for chemists and is published by the C. & D. at 3s., post free 3s. 3d. It soon pays for itself in profitable sales of remedies to suit each case.

GROUND-NUTS form the mainstay of the trade in Senegal, the exports in 1907 amounting to 155,857 tons, an increase of 50 per cent. over that of the previous year. Figures for 1908 are not yet available, but it is believed to be a record crop. Of the total amount in 1907 154,447 tons came from Senegal, 947 tons from Guinea and 463 tons from Dahomey. The principal ground-nut districts in Senegal are Rufisque and Sine-Saloum, and the ports from which they are sent are Rufisque, Saint Louis, Dakar, Foundiougne, and Ziguinchor. The ports of destination are Bordeaux, Marseilles, Dunkirk, Havre, and Hamburg. The value of the crop in 1907 was put down at 40,000,000f., or 1,600,000l., the local prices varying from 27f. 75c. to 29f. per 100 kilos. An experiment was made of exporting 700 kilos. shelled from Cotonou in Dahomey. From Portuguese Guinea 492 tons were exported in 1907.

Association Affairs.

Association of Women Pharmacists.—The annual meeting was held at Gordon Hall, Gordon Square, on Wednesday, June 9, Miss Margaret E. Buchanan (President) in the chair. There was a large attendance, including Mrs. Keer (Vice-President), Mrs. Freke, Mrs. Procter, Misses Bedell, Wardle, Andrews, Mulliner, Falconer, Kibble, Gilliatt, Renouf, Borrowman, Hughes, Tilsley, Dale, Wood, Derrington, Wren, Neve, Durand, Garnet, Cole, and others. The reports of the Secretary and Treasurer were read, and showed a very satisfactory year's work, progress having been made in all directions. The election of officers and members of committee for 1909-10 next took place: Secretary, Miss Wardle; Assistant-Secretary, Miss Bedell; committee, Misses Hughes, Wren, and Kibble. A very animated discussion then followed upon the questions—

(1) Whether registered women employed by drug-stores should be admitted to membership of the Association; and

(2) whether licentiates of the Pharmaceutical Society of Ireland should or should not be admitted as members of the Association of Women Pharmacists.

One or two of the members were of opinion that the Association should not admit to membership those employed by drug-stores, but the general feeling of the meeting was that it is impossible for the Association to take this stand—it was neither logical nor business-like. Mrs. Freke moved and Miss Dale seconded—

That all registered women be admitted to membership of the Association of Women Pharmacists, provided they do nothing derogatory to their craft.

Miss Gilliatt moved and Miss M. Wood seconded an amendment, viz.:

That employment by a drug company, though eminently undesirable, should not necessarily disqualify for membership of the Association of Women Pharmacists.

The amendment was carried by a large majority. The second question was also keenly discussed, and it was with many expressions of regret that the meeting came to the conclusion that, having regard to the present constitution of the Association, it is impossible to admit to membership of the Association members of the Irish Pharmaceutical Society. The hope was expressed that at some future time it might be possible to enlarge the Association in order to include Irish pharmacists. The meeting concluded with a hearty vote of thanks to Miss Buchanan for the loan of the room and to the scrutineers for their services.

Kirby Hall Visited.

The annual outing of the Peterborough Association of Pharmacists took place on June 10, the venue being Kirby Hall, Northamptonshire. The party, consisting of the President (Mr. Hall), Treasurer (Mr. Saunders), Secretary (Mr. Noble), and Messrs. Sturton, Ruddle, Calcutt, Whitwell, Cooper, Hill (Wisbech), Bayley (Uppingham), Prior (Stamford), Parkin (Market Deeping), Ellis (King's Cliffe), and others, journeyed by rail to King's Cliffe, and from there drove to Kirby Hall. After inspecting the beautiful Elizabethan ruins the members returned to King's Cliffe, where tea was provided. The return to Peterborough was made by the 6.11 P.M. train.

Bolton Chemists' Association.

A MEETING of this Association was held on June 9, Mr. Blain in the chair. Mr. Shacklady (Liverpool) gave a lecture on

CHEMISTS' ACCOUNTS.

The main points were the advice to chemists to teach their apprentices and assistants the method of keeping correct books, the keeping of both sales and purchases ledgers, the private ledger showing the capital invested, with the interest, as a charge on the takings, and the keeping separate the takings from patents, drugs, and prescriptions. Mr. Shacklady advised the addition to the prescription-book of a money column, so that the profits from prescriptions could be properly calculated; for if these matters receive special care, both the seller and purchaser of the business, when it comes into the market, would have more satisfaction in the transaction. The seller would receive a better price, and the purchaser would feel he had got better value for his investment. With regard to stocktaking the lecturer's experience is that chemists very seldom complete a real stocktaking, and he advised that stocks be taken at least once in three years; for if it did not give them satisfaction

from a monetary point of view, it would give an idea of what is really in stock. If the same care is bestowed on the books of a chemist as is exercised in the manipulation of drugs, there would be no better-kept books in any other kind of business.

A vote of thanks was accorded to Mr. Shacklady.

Mr. H. Knott was appointed a delegate to the British Pharmaceutical Conference at Newcastle.

A vote of condolence was passed with the widow of the late Mr. W. B. Mason, and a wreath was forwarded for the funeral in the name of the Association.

To Laindon Hill's.

The seventh annual outing of the West Ham Association of Pharmacists took place on June 10 to Laindon Hills. This spot is charmingly situated on one of the highest points in Essex, and commands a magnificent view of the surrounding country. A party started by train from Plaistow and was augmented by fresh recruits at Upton Park, East Ham, and Barking. On arriving at Laindon the majority



THE WEST HAM PARTY.

of the company walked up the hill, while some of the ladies drove. During the afternoon cricket was played, while another section of the party strolled around the beautiful lanes in the neighbourhood. Tea was served about 6 P.M., and afterwards the party was photographed on the lawn. Later on an impromptu concert was held, which was presided over by the President (Mr. Henry Soper). A vote of thanks was passed to the artistes for their services. The homeward journey was taken at nightfall.

North-East Lancashire Association.

A MEETING was held at the White Bull Hotel, Blackburn, on Monday evening, June 14, Mr. W. Holt (President) in the chair. The Secretary (Mr. Tomlinson) reported the resignation of Mr. C. M. Parkinson, which was accepted with regret. The question of observing June 24 as a holiday was held over. The Darwen Master Hairdressers' Association's reference to "barber's rash" was also mentioned.

SECTION 2 LICENCES.

Mr. E. Highton gave a report of the proceedings taken in opposition to an application made to the local Council for a Section 2 licence. After consultation with the President and Mr. Gifford, it was then decided to consult the Town Clerk, who received Mr. Gifford, Mr. Thos. Critchley, and himself very courteously. He suggested that they should furnish him with a list of the chemists prepared to sell the poisons. He circularised the chemists of the town, but only received twelve replies to his twenty-five letters. Mr. Highton then narrated what had been done as regards one application, which was recommended by the Watch Committee for a grant, but it had been referred back, and the Town Clerk now desired the names of the deputation about to wait on the Watch Committee. Mr. R. L. Gifford complimented the Society upon having such an energetic and courageous Divisional Secretary as Mr. E. Highton, and spoke generally on local matters, also adding a warning to pharmacists against their constitutional apathy in this matter. In his opinion this question of granting licences to unqualified tradesmen was of the first importance, and

most urgent in its call for action. He had done what was possible during the last few weeks, both at Blackburn and at the Pharmaceutical Council, to get the subject faced and, if need be, fought whilst the circumstances connected with the passing of the Poisons and Pharmacy Act of 1908 were fresh in mind. It was essential to substantiate the assurances and assertions then repeatedly made, for if that was not done now the very strong statements—statements which, perhaps for good reasons, could not be embodied in the Bill—fell to the ground. These assurances, with Government credit behind them, obviously affected and guided the granting of poison licences or they were worthless. He was told that administration must be relied upon, as the Society had no status in the matter otherwise. That was the alternative policy. But it was not a policy; it was a mere waiting upon events. It meant the recognition of a right of every seedsman, ironmonger, and such like unqualified tradesmen as even drug-stores, to sell poisons. Could there be any doubt of the wisdom of an active policy now? If there was, surely that doubt disappeared in the answer of the Home Secretary to Mr. Snowden's question. The manifest intention of the Act was there, and it was recognised by the soundest lawyers. Surely, then, it was the simplest commonsense to make a stand in the first instance. Everything proclaimed the fact that, if poison licences had to be granted indiscriminately as they were being granted, then the Government betrayed them and used language which was intended to deceive. He claimed to indicate a rational policy, and the only alternative was proceeding by administration. This was not a policy. It was refusing to face the enemy—it was running away. (Hear, hear.)

Mr. Grimshaw moved and Mr. Aspinall seconded a resolution confirming the action of the officials in opposing the application before the Council, and that the Pharmaceutical Council take immediate action. This, after further remarks, was agreed to.

Birth.

TWEEDY.—At Southgate, London, N., on June 14, the wife of S. C. G. Tweedy, of a daughter.

Marriages.

ABEL—WILSON.—At the County Hotel, Forfar, on June 11, by the Rev. J. Bruce Gardiner, M.A., John R. Abel, chemist and druggist, Forfar, to Margaret, younger daughter of Mrs. J. Wilson, Forfar.

CARR—CLAGUE.—At Rose Mount Wesleyan Church, Douglas, Isle of Man, on June 15, by the Rev. W. H. Moseley, Richard W. Carr, steel manufacturer, eldest son of Mr. George Carr, chemist, Sheffield, to Gertrude, second daughter of the late Mr. Henry Clague, Douglas.

CRAN—GORDON.—At the Grand Hotel, Aberdeen, on June 12, by the Rev. Thomas Wilson, B.D., assisted by the Rev. John Fairlie, John T. Cran, pharmacist, to Nellie, youngest daughter of Mr. Robert Gordon, 45 Beechgrove Terrace, Aberdeen.

DELPHIN—BEECHAM.—At Hampstead Parish Church, London, N.W., on June 8, Leonce Delphin, only son of Professor Emil Delphin, Geneva, to Jessie, daughter of Alderman J. Beecham, St. Helens and Hampstead.

HARKER—CHERRY.—At Richmond-on-Tees, on June 9, Geo. Clarkson Harker, chemist and druggist, nephew of Mr. Newton Clarkson, chemist and druggist, Frenchgate, Richmond, to Mary Hilda, eldest daughter of Mr. Thos. Cherry, Richmond.

MACNAB—HEWLETT.—At St. Paul's Church, Beckenham, on June 12, by the Rev. Canon Hammond, John Theodore Macnab, M.A., M.B., B.C. Cantab., M.R.C.S., L.R.C.P. Lond., of Cambridge House, Balham, son of the late Mr. Robert W. Macnab, of Dalbeattie, to Gladys Violet, fourth daughter of Mr. John C. Hewlett, J.P., of Hillside House, Beckenham, Kent.

MORYOSEPH—BREGMANN.—At the Spanish and Portuguese Synagogue, Bevis Marks, London, E.C., on June 15, by the Very Rev. Hoham Dr. Gaster, assisted by the Rev. S. J. Roco, Judah, elder son of the late Mr. A. Moryoseph,

drug-merchant, to Violet, second daughter of Mrs. and the late Mr. I. Bregmann, 40 Beresford Road, Canonbury, London, N.

NEWTON—ROGERS.—At the Parish Church, Ashton-under-Lyne, on June 16, by the Rev. T. Dillow, Albert Newton, pharmacist, to Agnes, daughter of Mr. James Rogers, Upton Magna, Shrewsbury.

RAMSAY—BURNET.—At Mathers' Hotel, Dundee, on June 15, by the Rev. W. Nelson, Willison U.F. Church, assisted by the Rev. D. Thom, M.A., Lochee East U.F. Church, William Alexander Ramsay, pharmacist, to Florence, third daughter of the late Mr. David Burnet, Dundee.

WEISE—GERHARDT.—At St. Mary's Church, Hornsey Rise, on June 9, by the Rev. J. C. Elliott, M.A., Frederick John Weise, eldest son of Frederick Weise, Tredewen, Anerley, to Eva Sophie, third daughter of Mr. Charles F. Gerhardt, of Hillside Lawn, Hornsey Lane, N., and 5 Fenchurch Street, E.C.

Deaths.

BATESON.—On June 12, Mr. Thomas Bateson, pharmaceutical chemist, Kendal, aged seventy-six. Mr. Bateson was apprenticed to the late Joseph Severs, Kendal, and passed the examination of the Pharmaceutical Society on June 6, 1866. In 1868 he became a partner in the business in which he served his apprenticeship, the style of the firm being then changed to Severs & Bateson. He was a member of the Council of the Pharmaceutical Society from 1896 to 1900. He was a candidate for the Council in 1893, 1894, and 1895, on each occasion being fifteenth on the poll (in those days fourteen councillors were elected each time). In 1896 he secured the fourteenth place, but when his turn came in 1900 to be re-elected, he was rejected. This was due in a measure to his retiring disposition, which did not allow him to make known his views, and hence many chemists were unfamiliar with him as a trade politician. He was, however, extremely popular among those with whom he came in contact. He was a J.P. for Kendal, and had served for ten years on the Town Council before he was appointed a magistrate. Mr. Bateson retired from business a few years ago.



MR. T. BATESON.

BENSON.—At Wigan, on June 8, from pneumonia, after ten days' illness, Mr. Arthur Herbert Benson, chemist and druggist, aged thirty-nine.

FAWELL.—On June 8, suddenly, at Shortlands, Mr. Leonard Fawell, J.P., of Mayfield, Shortlands, Kent, and Littlestone-on-Sea, Kent, aged sixty-three. The late Mr. Fawell was chairman of the directors of A. J. White, Ltd.

HARVEY.—At Birmingham, on May 29, Mr. James Steen Harvey, chemist and druggist, 29 Arthur Street, Birmingham, aged seventy-eight.

LOYD.—At Clay Cross, Tupton, on June 6, Mr. Robert Lloyd, chemist and druggist, aged seventy.

LONGBOTHAM.—Suddenly, at Harrogate, on June 7, Mr. John Longbotham, chemist and druggist, for many years in business at Middleham (Yorks), aged sixty-eight.

Recent Wills.

The dates in parentheses refer to the issues of "The Chemist and Druggist" in which the deaths of the testators were reported.

MR. JOSEPH JACKSON, 87 Dickeson Road, Blackpool, chemist and druggist, left estate of the gross value of 9,706*l.*, with net personality 600*l.* (C. & D., May 8, p. 702.)

BAILIE KENNETH MACDONALD, Dunkeld, Perthshire, chemist and druggist, left personal estate in the United Kingdom valued at 1,000*l.* 9*s.* 8*d.* (C. & D., January 16, p. 78.)

Personalities.

MR. PERCY ROBINSON, chemist, Norwich, has been elected a member of the Board of Guardians.

MR. GEORGE MERCER, chemist and druggist, Great Harwood, has been appointed Secretary to the local Tradesmen's Association.

In the Trinity pass-list of students qualifying for the Bar, Mr. T. J. Stokoe, pharmacist, of Hay, is placed in the Second Class in the subject of "Real Property and Conveyancing."

MR. ARTHUR STOOKE, pharmacist, Gillingham, has been elected as representative of the local Traders' Association on the Advisory Committee of the Joint Higher Education Committee for Rochester, Chatham, and Gillingham.

MR. EDMUND BLUHM, of the firm of Messrs. August Faber & Co., merchants, 60 Mark Lane, London, E.C., has by deed poll adopted the surname of "Faber-Bluhm," and will be henceforth known as "Edmund Faber-Bluhm."

At the Whitehaven Castle Estate rent audit on June 9, the toast of "The Town and Trade of Whitehaven" was coupled with the name of Mr. Henry Hunter, chemist and druggist. Mr. Hunter, in replying, mentioned that he looked forward to the establishment of a steamer service from the town to the Isle of Man.

MISS A. V. CLARKE, Newnham College, Cambridge, daughter of Mr. R. Feaver Clarke, pharmaceutical chemist, Gravesend, has, as a result of the recent examination for the Mathematical Tripos, secured a place in Class III. of the pass-list. Miss Clarke was at the beginning of the term elected Captain of the College cricket team and also Captain of the fire brigade.

MR. WM. BUTLER LORD, B.A., Ph.C., has been ordained in the Church of England. Mr. Lord is a Lancastrian, and served his apprenticeship with Mr. Briggs in the county town. After gaining experience in India, Mr. Lord joined Messrs. Burroughs Wellcome & Co.'s staff at Dartford. After that he studied at Christ's College, Cambridge, where he graduated as B.A.

In a case which was heard by the Kingston Magistrates on June 16 a boy complained that three teeth were knocked out of his mouth when he was assaulted. Mr. A. Higgs, chemist and dentist, Kingston, who is one of the Magistrates, took the boy over to a window and, after examining the boy's mouth, pronounced that the teeth were only broken off and not dislodged by the roots.

MR. ARTHUR LAPWORTH, D.Sc., head of the chemical department at the Goldsmiths' Institute, New Cross, London, S.E., and formerly assistant at the School of Pharmacy to Professor Collie, has been appointed a Senior Lecturer in Chemistry at the Manchester University with the duty of assistant director of the inorganic chemistry laboratories. He has also been elected a Schunck Fellow of the University.

PROFESSOR E. W. MORLEY, who has been appointed Hon. President of the next International Congress of Applied Chemistry, to be held at Washington in 1912, is a Past-President of the American Chemical Society and an honorary member of the Chemical Society of London. He is noted for his researches on the analysis of gases.

SCOTS MAY READ THIS. It is "Maister MacInack's Advice to his Apprentice," and is said to be forty years old: "Man Sandy, ye mun aye be awfu' carfu' in pharmacy. A mind lang syne o' an apprentice laddie a hud; he was a gey diffy an' dour sort. Weel, man, he made an awfu' blunder yea day. There was Miss Kittlebudy, she was gey fashed wi' ticdoloroo, puir budy, an' cou'd na' sleep. An' there was Jock Thomson, wha was gae tae be marrit sune; he had a grand bald patch on his pow, an' de'il a hair cou'd he grow on it. They baith cam' tae me an' a prescribet fur them. Weel, Rabbie Milliken, the apprentice, somehow changet the bottles. Jock Thomson rubbet his croon wi' Miss Kittlebudy's mixture, an' the next morn they cou'd na' wauken him tae gae tae his wark. He went doddering about nid-noddin' fur days after. An' Miss Kittlebudy, wha was gey glaket an' bent on getting a lad somehow, applied Jock Thomson's lotion tae her jaw. An' my certy, she hud a baird in a day or twa that was the envy o' aw the young chieils o' the village."

Trade-marks Applied For.

Objections to the registration of any of the undermentioned applications should be lodged with Mr. Temple Franks, Comptroller-General of Patents, Designs, and Trade-marks, at the Patents Office, 25 Southampton Buildings, Chancery Lane, London, W.C., within one month of the dates mentioned. The objection must be stated on Trade-marks Form No. 7, cost £1, obtainable through any money-order office. The figures in parentheses refer to the classes applied for.

(From the "Trade-marks Journal," June 9, 1909.)

- "ILFORD ALLIANCE," and label device; for photographic goods (1). By Ilford, Ltd., Ilford, London, E. 312,008.
- "FLYKATCHO"; for a sticky flypaper (2). By K. Keitel, West Street, Croydon. 312,761.
- "WINCASTEL"; for a medicine (3). By J. Taylor, 24 St. Mark's Road, Windsor. 306,231.
- "HAEMOGALLOL"; for chemicals (3). By E. Merck, Darmstadt, Germany. 308,929.
- "MUSTEEN"; for medicinal chemicals (3). By E. Goodwin, 27 Grove Terrace, Bradford. 311,936.
- "PYROLINEUM"; for all goods (3). By R. S. S. Bellamy, Royal Insurance Buildings, Liverpool. 312,261.
- "MORCURE"; for a medicinal preparation (3). By F. M. Moore, 170 Fosse Road South, Leicester. 312,373.
- "BONZA"; for salves and liniments (3). By W. E. Stephens, Kintale House, Mount Pleasant, Swansea. 313,044.
- "KÜLZBERG"; for medicinal chemicals (3). By F. W. Bates, 178 Chorlton Road, Brook's Bar, Manchester. 313,057.
- "ALCAGO"; for medicine (3). By A. P. Arber, 4 Ferndale Terrace, Cheltenham. 313,068.
- "LEATHERS' IMPROVED OZONATOR," and device of crown and laurel wreath; for deodorising apparatus (11). By C. C. Leathers, 48 Harvey Road, Leytonstone, E. 312,767.
- "SEA-HORSE" device; for aerated waters (44). By W. & J. Jenkinson, Ltd., 80 St. Andrew Street, Leith. 311,386.
- "NAPHTHOLITE," and label device; for soap (47). By Chrstr. Thomas & Bros., Ltd., Bristol. 308,989.
- "PHAIRO, THE GREAT HAIR RESTORER," and girl's head, with label device; for hair-preparations (48). By J. H. Webb, Lansdowne Road, Bournemouth. 308,591.
- "CHARMOSA"; for goods in (48). By C. H. Kitching, 55 Jer-ningham Road, New Cross, London, S.E. 311,488.
- "HAMAFOM," and label device, with wording "The Isle of Thanet Chemists' Association"; for face-cream (48). By H. R. Gibbs, 20 Market Place, Margate. 311,670.

(From the "Trade-marks Journal," June 16, 1909.)

- "COTTAGE," and device of same; for chemicals (1). By W. V. Aldridge & Son, 7 Islington Green, London, N. 312,145.
- "PURIBOL"; for chemicals (2). By Wm. Gossage & Sons, Ltd., Widnes, Lancashire. 313,218.
- "ZEEMA"; for medicinal chemicals (3). By G. G. Houghton, 2 Cavendish Road, Cloughton, Birkenhead. 302,660.
- "SICCAGEN"; for medicated bath-salt (3). By F. Detsinyi, 2 Marokkaner Gasse, Budapest. 311,114.
- "A. J. WHITE, LIMITED," and label device; for medicinal chemicals (3). By A. J. White, Ltd., 35 Farringdon Road, London, E.C. 311,928.
- "GENTARAXCO," and label device; for a dyspepsia remedy (3). By J. H. Canavan, 2 High Street, Portadown. 312,031.
- "FORMLACTOL"; for a medicine (3). By Chemische Industrie St. Margrethen, Canton St. Gall, Switzerland. 312,329.
- "PINAX"; for all goods (3). By J. Singleton, 41 Corporation Street, Manchester. 312,570.
- "KURATSO"; for a medicine (3). By Nellie Smith, 97 God-dard Avenue, Swindon. 312,791.
- "VIRA"; for medicinal chemicals (3). By Lewis Murray, 131 Albert Bridge Road, Belfast. 312,833.
- "LIPOS"; for a medicated wine (3). By R. Robinson & Co., Ltd., 46 Church Street, Pendleton, Manchester. 313,069.
- "ENERVEX"; for pills (3). By W. C. Bexfield, 24 Holborn, London, E.C. 313,216.
- "DELLIN"; for marking-ink (39). By Boots Pure Drug Co., Ltd., 37 Station Street, Nottingham. 312,958.
- "STAMNOL"; for a food (42). By W. Macadie, 116 Falkland Road, Hornsey, London, N. 310,804.
- "TWO-POWER STANDARD"; for a frothing-preparation (42). By C. W. Field, 92 Wood Street, Liverpool. 312,315.

- "GLADIUM"; for a yeast-preparation (42). By W. Mooro and F. Hayes, 27 Dundonald Road, Aigburth, Liverpool. 312,347.
- "CARAMINT"; for food-substances (42). By T. Kerfoot, Bardsley, near Ashton-under-Lyne. 312,642.
- "VARALETTES"; for mineral and aerated waters (44). By Alfred Bishop, Ltd., 48 Spelman Street, London, N.E. 313,177.
- "VICHY" (Hopital), and label device; for mineral waters (44). By La Compagnie Thermal de Vichy, 24 Boulevard des Capucines, Paris. 310,344.
- Device of a horseshoe; for candles and night-lights (47). By De Roubaix, Oedenkoven & Co., 2 Rue du Seigneur, Borgerhout, Antwerp. 310,959.
- "CALORETTES"; for candles and night-lights (47). By Price's Patent Candle Co., Ltd., 31 Threadneedle Street, London, E.C. 312,604.
- "SUN TAN," and sun device; for a toilet-preparation (48). By J. Roberts and A. S. Hastings, 5 Cathcart Studios, South Kensington, London, S.W. 311,295.
- "CRE-TER"; for perfumery, etc. (48). By Robert Crce, 58 Sandgate Road, Folkestone. 312,742.
- "FLORASMA"; for perfume-essences (48). By F. Wolff & Son, Durlacher Allee, 31 Karlsruhe, Baden. 312,763.

Trade Notes.

MESSRS. THOMAS POWELL, LTD., Blackfriars, London, announce alterations in the prices of Powell's balsam of aniseed as from June 17. Subscribers will be good enough to note the change as printed in the advertisement section of this issue.

MESSRS. WARDALE & Co., dental mechanics, East Ham, London, E., inform us that, owing to the expansion of their business ("thanks to advertising in the *C. & D.*"), they have taken the whole of the premises 132 High Street for business-purposes, and have added them to 50 Market Street, East Ham.

MESSRS. ALLEN & HANBURYS, LTD., will close their offices, factories, and warehouses at Bethnal Green, London, E., from June 28 to 30 inclusive, for stocktaking, but small urgent orders will be executed on those days. They will feel obliged, however, if customers will, as far as possible, send orders for their requirements next week.

CHEMISTS' PRINTING is the leading feature of the business of Messrs. Harrison & Waide, commercial printers, Darlington Street, Leeds. We have received some samples of recent small-size colour-work executed by the firm, showing the variety of work of this class which is produced day by day. The specimens are in several colours and adapted for use as labels, corn-velvet envelopes, and counter-bills.

EUTHYMOL WINDOW DISPLAYS.—Messrs. Parke, Davis & Co., Beak Street, Regent Street, W., ask us to remind chemists that photographs intended for the Euthymol window display competition must be sent to them on or before June 30. The competition will be judged, and prizes awarded by Mr. T. Coulson (Howden & Co.), and by two gentlemen nominated by the Editor of the CHEMIST AND DRUGGIST.

LUTON HAT-DYES are particularly suitable for sale by chemists. The makers, Messrs. Whitaker & Co., Kendal, have sent us a sample of the dye and specimens of the show-cards which are supplied for the purpose of promoting sales. The dyes are liquid and are put up in strong panelled bottles enclosed in a neat outer carton, a brush being supplied with each package. The features of the Luton hat-dyes are that they give no gloss or polish to the straw, dry readily, and the finished dye resists the action of the rain. The sample, which we have tried, is the purple dye—the fashionable colour this year—and we are able to confirm the claims just enumerated. The showcards sent out are novel. One of these has in the centre a miniature straw hat, which has been treated in segments with eight different dyes, and gives the purchaser an excellent idea of the effect produced by the various colours. Pattern-cards, with lengths of dyed straw-plait, are also supplied for a similar purpose. It only remains to mention that the sale of the Luton dyes is confined to the drug-trade, and that the price is fixed at 6d.—selling under this price is not allowed. Carriage is paid on all orders of three dozen and upwards.

How to Treat Travellers.

1. Traveller after traveller comes into the shop; the day is far advanced and not a stroke of your regular shop work has been touched. Is it polite or etiquette to tell a man, who you know may have come to the town specially to see you, that you cannot be seen?

2. You are working single-handed. A prescription is brought in and promised for fifteen minutes. Immediately a traveller walks in, and, seeing no customer in the shop, starts to talk and unpack samples. Is it the proper thing to tell the traveller that his presence is inconvenient, or to let the customer wait when the medicine is called for?

THESE questions were put by a Chemist in the *C. & D.*, May 15, and we invited replies, which we are now printing week by week.

(1) If a traveller had come to town specially to see me and I had an order, I should certainly make a point of seeing him, as we know travellers are indispensable. If no order, I should say I was sorry there was nothing and I did not wish to waste his time—an extra bit of energy—and I should finish my regular work. (2) Sickness being first, I should tell the traveller he could go on putting his samples out, as I had a prescription to put up, but would give him my attention in a short time. Of course, if I had no order, tell him so, so as not to waste his or my time, but that I would send on if I required anything.—JAS. HAYNES (Dudley).

TRAVELLERS

seen

by appointment

ONLY

Show that. Also have printed cards, which assistants can give to travellers if customers be present:

A SHOP IS A PLACE FOR THE SALE OF GOODS.

and Mr. Chemist, owing to the changed conditions whereby dispensing called for in an hour or two is replaced by counter trade in "small" wanted at once, is compelled to select the houses to supply his orders sent only by Post.

If travellers in new goods or novelties will leave particulars, Mr. Chemist will consider them, but he regrets he has no time for an interview,

EXCEPT BY APPOINTMENT.

The best houses and the sensible men will see it and leave you alone. Chemists are muddle-headed, and also fond of talking big about "buying." But few men want a system; fewer still could stick to it.—JAY MACK.

1. The daily round of the medical man is frequently obstructed by a complicated confinement case; so, too, on certain days and seasons must the most perfectly arranged chemist's routine be completely disorganised by the inevitable traveller, and lack of courtesy cannot, and will not, mitigate the evil.

2. In this case I immediately ask the traveller the time of his train or next appointment, as I am fully occupied for some ten minutes. By this plan I have never lost a customer—or traveller—yet.—W. LLOYD SMITH (Melton Mowbray).

1. Do not waste time with traveller No. 1, but start as you mean to continue. Pay his account (if any). Orders for drugs or patents can be given in a few minutes or sent to him on a postcard at night. If you wish to see his samples do it at once, or arrange to see him at a convenient later hour. If you want nothing, tell him so at once, politely but firmly. If he still pesters you, dismiss him abruptly, for he is so used to this treatment, which he brings on himself that you cannot offend him.

2. Surely no representative would object to wait or take a walk round while you made up a prescription if you mentioned it to him. If he did, he deserves no consideration.—THE HORNET.

1. If you do not require anything from him, say you are sorry, but you have nothing on the order-book, and that you are busy and do not wish to waste his time or your own. Then make a move as though to shake hands, and in most cases you will be successful.

2. Should a traveller persist in showing his samples and you think there might be something you want, explain to him that you cannot promise him an order; yet if he really wishes you to see his goods he must wait, as you have an urgent prescription to prepare, and I am sure most men, if not all, will only be too glad to do so. On no account allow anything to interfere with customers' requirements.—G. IRVING STEELE.

The Quality of Tea.

THE subject of what factors determine the quality of tea, and of the best methods of improving the quality of certain grades, has long occupied the attention of tea-growers, and has recently been most exhaustively studied by Dr. Harold H. Mann. Scientific Officer to the Indian Tea Association, who has embodied the results of his observations and experiments in pamphlet form. Hitherto no satisfactory explanation of the variation in the qualities of different teas has been forthcoming, and a complete answer cannot, in Dr. Mann's opinion, be given. Tea owes its value principally to three constituents: (1) Essential oil, producing the flavour; (2) caffeine or theine, producing the stimulating action; and (3) tannin, giving the astringency and, when fermented, the colour to the liquor. The essential oil, though often spoken of, is in reality a material of which extremely little is known. It can only be said that it is an oily body which can be driven off from the tea at a high temperature, especially along with the steam when the leaf is wet. On exposure to the atmosphere the oil quickly changes into a resin with a very marked tea-like smell. It is evidently one of the chief factors in determining flavour in tea. It is equally certain that caffeine is the principal stimulating material in tea, and for long its quantity was supposed to bear, therefore, a close relationship to the market value. This supposition is now proved to be quite unfounded, and though the medicinal value of tea may vary with the quantity of caffeine, the market value certainly does not. It is, however, present in quantities which may vary from 3 to 5 per cent. in good teas, and in the lowest grades it may go down to 2 or 3 per cent. The third constituent of tea of primary importance is tannin. This has generally, if not always, been considered by the medical profession as the objectionable part of tea; but the value of tea in the market, on the other hand, seems to be closely connected with the quantity of tannin easily extracted from the tea by boiling water. The teas, in fact, containing the most tannin, usually have the greater value unless possessed of less flavour—a fact which was proved by Dr. B. H. Paul some years ago. If teas possessing marked flavour be eliminated and the total soluble matter and tannin be determined and considered together, it is possible to form a fair idea of the market value of a tea so far as it depends on the liquor given on infusion. The tannin is, as a matter of fact, the chief, if not the only, source of pungency in teas, particularly when in an unfermented condition, and when changed by fermentation it is the principal factor determining the colour of the liquor. Thus the market points which have value in a tea-liquor may be said to be chiefly caused as follows:

- (a) Flavour.—Caused principally by the essential oil.
- (b) Pungency.—Caused in great measure by the unfermented tannin.
- (c) Colour of Liquor.—Caused chiefly by the fermented tannin.
- (d) Body of Liquor.—Measured principally by the total soluble matter, of which a large part is tannin, fermented and unfermented.

Apart from flavour, it is evident that the constituents which it is important to investigate from a commercial point of view are (1) the sum total of substances capable of being dissolved under tea-drinking conditions, and (2) the tannin in all its various forms.

The principal factors leading to the production of quality are stated by Dr. Mann to be:

1. Elevation and in a measure latitude.
2. Regularity and sufficiency of rainfall.
3. Variety of plant.
4. Special character of soil and manuring.
5. Kind of pruning.
6. Method of plucking.
7. System of manufacture.

Each of these factors has its influence, and these are exhaustively considered by Dr. Mann, who says it has too often been the first maxim learnt by a young planter that "good tea is made in the garden and not in the factory," consequently comparative neglect of improvement and of close supervision and care in the factory has been the result. Now it is being more and more recognised that while good

tea can be made by no known process from inferior leaf, in a vast number of cases the tea actually produced is inferior to what could, by closer supervision and better-regulated manufacture, be made from the same leaf. It is established, therefore, that while no one factor has been found paramount, there is ample reason to believe that good tea is the result of an enormous number of detailed causes, some under the control of a planter, some beyond his power, and some beyond his knowledge. But once this is realised, and it is becoming increasingly realised in the Indian tea districts, it will become obvious that tea-planting merits more detailed study than has been given to it in the past. "The Lancet," in an annotation on tea, some time since said that the controversy has long been settled in the minds of scientific men, but has been revived by trade partisans, also the argument in favour of China tea on the ground that it is far less astringent than is Indian tea rests on a scientific basis, and that they are content to leave the controversy there. Again, it says, if a dyspeptic is permitted to take tea at all it should be China tea, since analysis has shown again and again it is less likely to derange a delicate digestive system. The adding of milk to tea is considered in the circumstances a perfectly physiological, if not æsthetic, proceeding, as the infusion of a powerful Indian tea would produce infinitely more harm than it does.

Twenty Years Hence.

By Bruce Logan.

SCENE: *Chemist's Shop, Bond Street. Hour 10.30 A.M.*

Proprietor (just arrived): "Morning, Briggs! Nice morning! Lot of early fog; ought to bring the 'bronchials' in to-day. Got the 'pneumatic ozoniser' going?"

Briggs (first assistant): "Yes, sir! Been bottling since eight; got all the regulars despatched. Shall I hang the 'saline solution of ozone' sign out, sir?"

Proprietor: "Yes, that's right. Better send the 'perigrinating megaphone' out as well. By the way, anything fresh this morning?"

Briggs: "Yes, sir. Jessop saw a fly this morning!"

Proprietor: "Dear me, that's bad. I haven't seen one of those dangerous insects for years. Reported to the medical officer, I suppose?"

Briggs: "Yes, sir! The municipal fly-catcher has been round already, but he was too late to catch it; he has got his staff going."

Proprietor: "That's right! Beastly fag, but the public health must be protected."

Enter Lady.

Proprietor: "Morning, madam! How's your temperature?"

Lady: "96.8, thank you; and yours?"

Proprietor: "Normal, thanks."

Lady: "I was wanting some tubes of electric restorers; who's the best?"

Proprietor: "Well, madam, these are my own manufacture; guaranteed to contain 10 milliamperes in each sugar-coated tablet. Two of these swallowed with one of our patent resistance reducers will keep the body supplied with electricity for twenty-four hours. Excellent thing, madam; no danger of nervous breakdown."

Lady: "Thank you! You keep extract of belladonna, I presume?"

Proprietor: "Sorry, madam, but I do not stock any herbal extracts. You see, we make all our extracts fresh. We just place a few seeds under the 'lightning electric propagator'; the plant grows and flowers in ten minutes. I could let you have the extract in about half-an-hour. Oh, no trouble, madam; all in the day's work. Shall I send them for you?"

Lady: "I'm afraid it's rather far. I came from Manchester by the 'Electric Slide,' and return almost immediately."

Proprietor: "No trouble, madam! Our boy has a twenty-eagle power skyroplane. In fact, he's going to Birmingham and Stockport this morning. Anything further, madam?"

Lady: "I'm afraid not this morning."

Proprietor: "Artificial legs, madam; we've a grand selection. Artificial eyes, ears, noses. Well to have by you in case of accidents. Anything in the way of teeth?"

Lady: "I'm afraid not. I'm well supplied at present. Good morning!"

Proprietor: "Thank you! Good morning. May you have a safe slip along the Slide. Good morning."

"Next, please!"

Trade Report.

NOTICE TO BUYERS.—The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers stock the goods. Qualities of drugs and oils vary greatly, and higher prices are commanded by selected qualities even in bulk quantities. It would be unreasonable for retail buyers to expect to get small quantities at anything like the prices here quoted.

42 Cannon Street, London, E.C., June 17.

THE improved business tone noted last week has continued, and a fair amount of activity is shown, especially on the speculative markets. Among chemicals, a prominent feature is the further advance in glycerin, with every prospect of still higher rates. Chrysarobin is cheaper, and foreign citric and tartaric acids and cream of tartar are the turn weaker. Crude camphor is inactive, as is refined. Quinine is unaltered, it requiring more than a 3-per-cent. decline in bark to affect its waterlogged condition. An advance in the price of salicylates is talked of. In drugs and essential oils, the "boom" in menthol and Japanese peppermint oil still engages the attention of speculators on an active and dearer market. Russian ergot is firmer and in more demand on the Continent. Lycopodium is steady. The otto-of-rose crop has yielded well, and the outlook for opium continues promising. The changes which have taken place since our last are as follows:

Higher	Firmer	Easier	Lower
Canary-seed	Buchu	Cardamoms	Benzoin
Glycerin	Ergot	Citric acid	(Sum.)
Menthol	Japan wax	(foreign)	Chrysarobin
Peppermint oil	Pimento	Sassa-parilla	Cream of
Wax, bees' (Jamaica)	Quince seed	(Native Jam.)	tartar
		Soda nitrate	

Cablegrams.

BERGEN, June 16:—The cod-liver oil market is firm at the equivalent of 64s. per barrel, c.i.f., for finest Lofoten oil, at which a small business has been done.

NEW YORK, June 17:—Business is quiet in drugs. Opium continues easy at \$4.25. Menthol has advanced to \$2.40 per lb. Cascara sagrada is neglected at 8½c. Peppermint oil in tins is easy at \$1.45, and hydrastis (golden seal) is also easy at \$1.80. Jalap is firm at 45c., and podophyllum (mandrake) is quiet at 7½c. per lb.

Heavy Chemicals.

The better feeling which has pervaded the heavy-chemical market for some little time has been well maintained, and present indications are rather in favour of a still further improvement. The all-round demand for both main and miscellaneous products is on the heavier side, particularly for prompt or early delivery. The home trade is busier, while export requirements are also on the steady side. Values show little fluctuation, and are mostly fairly firm.

SULPHATE OF AMMONIA.—The market is very quiet, and with current demand scarcely up to available supplies, prices are now somewhat in buyers' favour. Present nearest figures: Beckton prompt, 11l. 10s.; Beckton terms, 11l.; London, 11l.; Leith, 11l. 5s. to 11l. 6s. 3d.; Liverpool, 11l. 1s. 3d.; and Hull, 11l. There is a fair inquiry for forward delivery up to the end of the year.

ALKALI-PRODUCE.—A fairly steady business is being done in this branch. Bleaching-powder is in rather better request, though still somewhat quiet, with price steady on the basis of 4l. 5s. to 4l. 7s. 6d. per ton for softwood casks free on rails. Caustic soda is in more active request, particularly for high strength: 76 to 77 per cent., 11l. to 11l. 2s. 6d.; 70 per cent., 10l. 5s. to 10l. 7s. 6d.; and 60 per cent., 9l. 5s. to 9l. 7s. 6d. per ton. Ammonia alkali, 58 per cent., in good average request and firm at 4l. 10s. to 4l. 15s. per ton free on rails in bags. Soda crystals are in increased demand, especially for prompt and early delivery; quotations stand unaltered at 55s.

to 57s. 6d. per ton free on rails Tyne, 57s. 6d. to 62s. 6d. per ton f.o.b. Tyne, and 60s. to 65s. per ton f.o.b. Liverpool. Salt-cake is in somewhat better inquiry but still dull at about 40s. to 42s. 6d. in bulk. Bicarbonate of soda, 5l. to 5l. 5s. in casks and 5l. 10s. to 6l. per ton in 1-cwt. kegs f.o.b. Liverpool. Chlorates of potash and soda are on the quiet side at 3½d. to 3¾d. per lb., according to quantity, etc. Yellow prussiates of potash and soda are in somewhat better request at about 4½d. to 5d. and 3d. to 3½d. per lb. respectively. Hyposulphite of soda has been in better average request, though not sufficiently so to affect quotations at all. Ordinary crystals in casks, 5l. to 5l. 10s. per ton. Deliveries in 1-cwt. kegs vary from 5l. 15s. to 7l. 15s. per ton, dependent upon quantity and quality. Silicates of soda have been moving somewhat better both on home and export account, 140°, 4l. 5s. to 4l. 15s.; 100° Tw., 3l. 15s. to 4l. 5s.; and 75° Tw., 3l. 7s. 6d. to 3l. 17s. 6d. per ton.

Manchester Chemical-market.

Manchester, June 15.

There has been a decidedly better tone in heavy chemicals both on home and export account, and in this department values show little change. The advance in sulphate of copper has suffered a check, and values rule in buyers' favour by about 5s. per ton on the week. The prospects in the raw metal do not appear to be good, hence the weaker feeling in the manufactured stuff. In other directions the tendency is of a downward character, and white powdered arsenic is in buyers' favour by 5s. to 10s. per ton on last week. Yellow prussiate of potash is easier at 4½d. to 4¾d. on spot. Potash and lead-salts continue to move fairly well. Cream of tartar and acids are steady. Oxalic is firm. Coal-tar products show little change. Sulphate of ammonia is higher at 10l. 16s. to 10l. 17s. 6d. per ton on rails Manchester. Benzols, carbolic acid, and creosoto are quietly steady.

Continental Drug and Chemical Markets.

BALSAM, PERU.—The high values which have been reached recently have restricted the demand. Deliveries from the U.S.A. have reached Germany, and, though they were only for small quantities, they sufficed to satisfy the demand. Prices are easier at 13.50m. per kilo.

BORAX AND BORACIC ACID.—Among the members of the Union of German Borax Refiners rumours are current as to new competition. It is doubted whether the newly established concerns will be able to manufacture more cheaply than the Borax Consolidated, Ltd., of London. In any case, however, it will be a long time before new goods can be delivered.

DEXTRIN.—A rising tendency is noted in potato-starch. In view of the few offers on the market, holders were able to ask higher prices, but at the same time the demand was not fully covered in some cases. In these circumstances dextrin was dealt in at from 31m. to 33m. per 100 kilos.

FORMALDEHYDE.—For months past a noticeable scarcity has been felt, this being attributed to the fact that supplies of raw material from the U.S.A. were almost impossible to obtain. Makers have therefore in several cases sold out all their stocks, and in other instances have very limited supplies in hand, so that the higher quotation of from 77m. to 78m. per 100 kilos. is ruling.

HYDRASTIS.—Despite the cheaper quotations for spring-dug (New York is said to be offering at 14.50m. per kilo.), autumn-dug remains at unchanged high prices, and purchasers must pay 17m. for spot (Hamburg) and 16.50m. for immediate shipment from New York.

MILK-SUGAR.—For some time it has been possible to obtain goods at lower prices than those fixed by the Convention, but it is thought that these are qualities which, while fulfilling the requirements of the Pharmacopoeia, are not "first quality."

QUILLAIA.—The cheaper offers lately current appear to have disappeared, and the position is steadier, small sales of soot (Hamburg) goods having taken place at higher prices.

TARTARIC ACID has been reduced by the German makers by 5m. per 100 kilos. The position is extremely depressed, and, as raw material has also been sold at lower rates, it is thought the present position is due to the depressing influence of foreign offers at low rates.

THYMOL, it is thought, has reached its lowest price, owing to the sharp competition, and the hope is entertained that the first favourable occasion will be made use of to bring about better conditions.

ANISEED.—Russian is quoted 19s. 6d. to 20s. 6d. per cwt. on the spot.

CAMPHOR (CRUDE).—Market is inactive at 140s. spot for China, and 142s. 6d. c.i.f. to arrive.

The exports of camphor from Japan during the two months ending February amounted to 283,431 kin against 667,717 kin and 249,831 kin in the corresponding periods of 1908 and 1907.

CAMPHOR (REFINED).—Sales of Japanese 2½-lb. slabs for December-January and January-February shipment have been made at 1s. 5½d. per lb. c.i.f. Continent. At auction 25 cases Japan 2½-lb. slabs were bought in at 1s. 7d., and 9 cases powder at 1s. 9d.

CANARY-SEED has continued to advance in price owing to speculative purchases, and on Wednesday 50s. per quarter was paid for Turkish and good Morocco.

CARAWAY-SEED is quiet at 36s. per cwt. on the spot, and at 28s. f.o.b. for new crop.

CHRYSAROBIN.—Cheaper raw material has enabled makers to further reduce their prices, one of whom now quotes 8s. per lb.

CLOVES.—At auction 202 bales of Zanzibar offered, of which 60 sold at 4½d. for good bright. Privately Zanzibar is firmer, the sales including August-October delivery at 4½d. and October-December at 4½d. to 4¾d. For shipment the business includes June-August shipment at 4½d.

COPPER SULPHATE is easier at from 19l. to 19l. 5s. per ton for Liverpool brands.

CORIANDEER-SEED is slow of sale and rather easier on the spot at 10s. per cwt. for good Morocco, owing to offerings of new crop, in which business has been done at 9s. 3d. per cwt. c.i.f. terms.

ERGOT.—The fact that the United States has purchased several parcels in Hamburg has brought about firmer prices, 1s. 3½d. to 1s. 4d. per lb. c.i.f. being quoted for Russian.

FENUGREEK-SEED is firm at 10s. per cwt. on the spot for Morocco owing to small stock, but new crop is offering at 6s. 6d. per cwt. c.i.f. terms for late shipment.

GAMBIER.—Cubes are scarce on the spot, with sales of No. 1 quality at 37s.

GINGER.—Quiet. Of Jamaica 384 packages were practically all bought in at auction at recent rates, and of Cochín and Calicut 585 packages were offered and only 36 sold, including washed, rough Cochín at 41s. Brown Calicut rough was bought in at 40s., and privately the sales include 100 bags at 40s.

GLYCERIN.—At the close of last week the refiners announced a further advance of 3l. 10s. per ton, which now makes the official price 75l. for 5-ton lots in 10-cwt. drums, and 79l. in tins and cases for double-distilled e.g. 1.260 quality. On Wednesday we understand the price for export was advanced a further 2l. to 77l. in drums, and there is every probability of still higher prices prevailing, as the refiners are reluctant to enter into fresh business owing to the comparative scarcity of crude. It appears that the German refiners' prices are about the equivalent of 11l. higher than the English rates. In second-hands business was done prior to the advance at 77l. 10s. in cases, but more money is now asked.

LINSEED is steady at 50s. per quarter for good clean qualities.

LYCOPodium.—In five-case lots treble-sifted is offered at 1s. 6½d. per lb. c.i.f. In their keen desire to buy at the lowest possible price, buyers occasionally overlook the fact that second-sifted is frequently offered and sold as treble-sifted.

MACE.—At auction 28 packages of West Indian offered and 25 sold at an advance 1d. per lb. Fair pale sold at 1s. 9d., pale and reddish at 1s. 7d. to 1s. 8d., and fair to good red 1s. 6d. to 1s. 8d.

MENTHOL.—A very considerable business has been done at prices marking an advance of fully 1s. per lb. since the close of our last report, up to 9s. being paid to-day for both shipment and on the spot. Cables have been received from Japan that the spot stock is exhausted, so that the business now being done probably applies to re-sales. It is also said that a syndicate has been formed among the makers in Japan, and that in future only one brand will be exported—viz., "Kumai"—but this report lacks confirmation. In the drug-auction 8 cases of Kobayashi, Yazawa, and Suzuki were held at 9s. per lb.

OIL, ALMOND, is very firm, with the possibility of still higher prices. Genuine B.P. sweet is quoted 1s. 10d. by English pressers, at which price foreign is also offered.

OIL, ANISEED, STAR.—The spot value is now 4s. 4d., and for arrival sellers quote 4s. 3d. c.i.f.

OIL, BERGAMOT.—An advice from Sicily reports a firm market in spite of the lack of demand, this being owing to the small stocks in strong hands.

OIL, CASTOR.—Hull make is firm at 26l. 10s. per ton for first-pressing in barrels ex wharf.

OIL, COD-LIVER.—Our Bergen correspondent writes on June 14 that the Finnmarken fishing still continues, and with pretty good results during the last week. The number of fishing-boats taking part in it is, however, rapidly declining. The statistics give the following results:

	1909	1908	1907
Catch of cod (millions)	52.2	45.5	45.6
Yield of cod-liver oil (barrels)...	42,000	49,400	38,300
Livers for "raw" oils (hct.)...	27,000	24,000	20,000

On the oil market the tone is firmer, and there is generally more interest shown in the article. Finest non-congealing Lofoten cod-liver oil is quoted at 64s. per barrel, c.i.f. terms. The exports from Bergen up to date amount to 6,084 barrels, against 8,095 barrels at the same date last year.

OIL, LEMON.—An advice from Sicily, dated June 5, states that the position is unaltered, there being practically no demand from abroad. The tone is therefore easy, and there is a tendency to shade quotations; for shipment 3s. per lb., c.i.f., is quoted.

OIL, PEPPERMINT.—Japanese dementholised is again higher, a good business having been done in Kobayashi on the spot at from 5s. to 5s. 3d.; and for June-July shipment 5s. 3d., c.i.f., has been paid. Sales of Suzuki from second-hands for June-July shipment have been also made at 5s., c.i.f., but for shipment from Japan higher prices are now asked. In the drug-auction 12 cases Kobayashi were bought in at 5s. 6d.

OIL, TURPENTINE.—American closes at 29s. 9d. spot.

OPIMUM.—Sales are quite retail on the spot, and buyers prefer to adopt a waiting attitude owing to the imminence of the new crop, reports in regard to which continue favourable on the whole.

A Smyrna correspondent writes on June 5 that a fall in the price of opium has taken place, from which it is evident that holders consider that the crop is favourable, and are endeavouring to get rid of their stocks. The sales amount to 32 cases, comprising 28 cases extra Karahissar at the equivalent of from 11s. 11d. to 11s. 10d., three cases primo ditto at 11s. 5d., and one case Adette at 10s. 4½d. per lb., c.i.f. European ports. Market closed weak, as it is foreseen that, if buyers are not too eager, fresh concessions may be anticipated.

A Smyrna correspondent writes on June 11 that the week was again active, with sales amounting to 32 cases of Karahissar t.q. at 11s. 10d., five cases extra Karahissar at 12s. 3d., and two current qualities at 9s. 9d. to 10s. 6d. as to quality, all for America. Barring torrential rains in the upper districts at the time of gathering the gum, we may assume that the whole Turkey crop is now assured, and, according to some estimates, it is believed that we shall reach the high figure of 8,000 cases, which includes 800 to 1,000 cases from Salonica. Future prices, of course, entirely depend on the outturn of the crop and on the American demand, which at present does not show any sign of abatement. The mischief is that the high pretensions of sellers are fully responded to, which is a feature quite fatal at this season to any hopes of a near decline.

OTTO OF ROSE.—Our Bulgarian correspondent, under date of June 10, writes that it is now fully eighteen days since the rose harvest commenced, and only two-thirds of the entire crop has been distilled. The harvest will probably last ten days longer. Almost all the time the weather has been all that could be desired, and the yield of otto is extremely large—far in excess of all expectations. Altogether, we have had only four to five unfavourable harvesting days, with rather small yield of otto, but this is nothing. The results so far obtained are far in excess of all expectations. A rich crop is already assured, and the total yield may be from 150,000 oz. to 160,000 oz., and all of it of the finest quality. When a rose crop is rich the quality of the otto is always fine.

PEPPER.—At auction 378 bags of Tellicherry sold at from 3½d. to 3¾d. for good heavy small and bold; 57 bags of fine Ceylon were bought in at 3½d. Privately fair Singapore quality is quoted on the spot at 3¾d., and for arrival sales include 25 tons July-September shipment at 3½d. c.i.f. d/w.

PEPPER (WHITE).—There were no offerings at auction. Privately sales have been made of fair Singapore at 5½d. to 5¾d., being firmer. For arrival the market is also firmer, the sales including 50 tons of Singapore, near at hand, at 5d., July-September shipment at 4¾d., and August-October at 4½d. c.i.f. d/w.

PIMENTO.—At auction 117 bags were offered and 55 sold at 2½d. for fair and at 2½d. for ordinary mixed with blacks, being dearer. To arrive, sellers for distant shipment quote 20s. to 20s. 6d., c.i.f. terms.

QUININE.—The 3-per-cent. decline in the bark unit at Amsterdam last week has left the market quite unaltered, the demand remaining very slow at from 6¾d. to 7d. for German brands of sulphate from second-hands.

SALICYLATES.—A report has been current this week that prices might probably advance, but those in a position to judge do not favour this view. The report is no doubt circulated with the view to tempt buyers to book contracts.

SODA NITRATE is easier, refined offering at 10s. 9d. and ordinary at 10s. 7½d., the quotations in Liverpool being 10s. 9d. and 10s. 6d. respectively.

TURMERIC.—Privately Madras is steady at from 18s. to 19s. for fair to good finger. Bengal is unchanged at 18s. 6d. to 19s., and small sales of split Cochin bulbs have been made at 13s.

WAX, JAPAN.—Privately good squares are quoted 46s. 6d. spot, and for June-July shipment 43s. 9d. c.i.f. has been paid, being firmer. About 600 cases have been sold for June-July shipment at 43s. 9d. c.i.f. New York.

WOOD OIL.—Privately Hankow is firmer for arrival at 27s. c.i.f.

London Drug-auctions.

An interval of a month having elapsed since the previous auction, the accumulations of drugs were extremely large. Demand, on the whole, was fair, but price-alterations were few. Cape aloes sold without material alteration. Balsam tolu is steady, and for buchu a further slight advance was paid. Sumatra benzoin is easier. Cardamoms were irregular, but easier. Good dragon's-blood is plentiful and neglected. Jamaica honey was steady on the whole. Ipecacuanha was firm. Native-Jamaica sarsaparilla was generally steady, there being a disposition to make concessions on the lower grades. Tinnevely senna was steady, full prices being paid for the better grades. Jamaica beeswax was 2s. 6d. to 5s. dearer. The following table shows the quantity of goods offered and sold:

Offered	Sold	Offered	Sold
Agar-agar.....	11 ... 0	Coca-leaves	14 ... 14
Aloes—		Cochineal	20 ... 0
Cape	62 ... 53	Colocyth & pulp ..	20 ... 11
Curacao (bxs.)...	25 ... 0	Copaiba.....	7 ... 7
„ (grds.)	40 ... 0	Cuscus	13 ... 0
Socotrine (kegs) ..	9 ... 0	Cuttlefish bone ...	136 ... 12
Zanzibar (cs.)...	16 ... 0	Dill seed	50 ... 0
Ambergris	9 ... 0	Dragon's-blood ...	41 ... 3
Aniseed (Span.)...	7 ... 0	Elemi	23 ... 0
Annatto-seed	164 ... 0	Fennel seed.....	106 ... 0
Araroba	18 ... 0	Gamboge	35 ... 4
Areca	17 ... 0	Gelatin	4 ... 0
Argol	15 ... 0	Gentian	20 ... 5
Asafetida	25 ... 2	Guaiacum.....	3 ... 0
Balsam—		Gum arabic	105 ... 9
Peru	2 ... 0	Gum (thus)	1 ... 1
Tolu	6 ... 6	Honey—	
Benzoin—		Honolulu	110 ... 0
Palembang	68 ... 14	Jamaica	592 ... 334
Siam	34 ... 9	New Zealand ...	99 ... 0
Sumatra	319 ... 66	Insect flowers...	7 ... 1
Bird-lime (Jap.)...	10 ... 0	Ipecacuanha—	
Buchu	22 ... 22	Cartagena	21 ... 4
Calumba	100 ... 0	Martto Grosso ..	26 ... 14
Camphor (Ch. cr.) ..	14 ... 0	Jalap	2 ... 0
„ (Jap.ref.)	25 ... 0	Kamala	5 ... 0
„ (powder)	9 ... 0	Kino	7 ... 0
Canella alba	10 ... 0	Kola	26 ... 26
Cannabis indica...	11 ... 5	Lime-juice	31 ... 0
Cantharides	5 ... 0	Manna	1 ... 1
Cardamoms	490 ... 235	Mastich	4 ... 0
Cascarilla	189 ... 0	Matico	9 ... 0
Cassia fistula	32 ... 10	Menthol	8 ... 0
Chamomiles	16 ... 0	Milk-sugar	10 ... 0
Chiretta	4 ... *4	Myristin	45 ... 0
Cinchona	88 ... 0	Myrrh	56 ... 6
Civet	24 ... 4	Nux vomica	210 ... 94
	5 ... 5	Oil-bay	11 ... 0

Offered Sold

Oil—	Offered	Sold	Offered	Sold
camphor	19 ... 0		Scammony root ...	1 ... 0
cassia	11 ... *5		Seedlac	133 ... 0
cinnamon	22 ... 0		Senna and pods—	
citronella	1 ... 0		Alex.	56 ... 6
clove	3 ... 0		Tinnevely	230 ... 145
cod-liver	20 ... 0		Soy	25 ... 0
eucalyptus	32 ... 0		Squill	6 ... 0
lemongrass	21 ... 0		Stavesacre	3 ... 0
lime	1 ... 0		Sticklac	83 ... 0
orange	3 ... 0		Strophanthus	50 ... 0
peppermint	12 ... 0		Tamarinds	95 ... 35
Olibanum	2 ... 0		Tragacanth	102 ... 23
Orange-peel	50 ... 26		Turmeric	704 ... 4
Quillaia	24 ... 0		Wax (bees*)—	
Quince seed	2 ... 2		Amer. (moons)...	1 ... 0
Pareira brava	5 ... 0		Australian	3 ... 3
Patchouli leaves...	22 ... 0		Chilian	3 ... 3
Puree	2 ... 0		Cuban	16 ... 0
Rhubarb (China)...	90 ... 16		East African ...	27 ... 26
Sandalwood	14 ... 0		East Indian	87 ... 8
Sandarac	21 ... 0		Jamaica	51 ... 39
Sarsaparilla—			Madagascar ...	118 ... 98
Honduras	13 ... 0		Morocco	55 ... 0
Lima-Jamaica ...	10 ... 10		Mozambique.....	18 ... 18
Mexican	21 ... 0		Rangoon	4 ... 0
Native Jam. ...	41 ... 32		Spanish.....	13 ... *6
Scammonium	2 ... 0		Wax (veg.) (Jap.)	35 ... 0
			Wood oil	48 ... 0

* Sold privately.

AGAR-AGAR.—Eleven bales No. 1 Kobe strip were held for 1s. 8½d. per lb.

ALOES.—Cape was steady and in demand, good bright hard Mossel Bay (20 per cent tares) finding buyers at 32s. 6d. to 33s.; fair hard bright, 31s. to 31s. 6d.; dull seconds at 28s. 6d. to 30s.; and dull and drossy, mixed with stones, 26s. per cwt. Good Curaçao liver in gourds was bought in at 80s.

ARAROA.—Five cases containing 64 per cent. chrysophanic acid were held for 2s. 6d. per lb., and seven packages (52 per cent. to 53 per cent.) at 3s. 6d.

BALSAM COPAIBA.—Seven cases thin cloudy from Cartagena sold at 1s. 8d. per lb.

BALSAM TOLU.—Steady. Six cases of fair slightly softish in large tins sold at 9½d., and drossy at 8d. per lb.

BENZOIN.—The principal business done in Sumatra was towards the close of the sale, 62 cases finding buyers at easier prices, from 5l. 7s. 6d. to 5l. 12s. 6d. per cwt. being paid for ordinary seconds with small almonds and partly false-packed ends, and for good fair seconds 6l. 7s. 6d. was paid. Four cases low-broken thirds sold without reserve at 27s. 6d. Eight cases of fair Palembang seconds realised 45s. Of Siam 34 cases were offered, of which nine found buyers at 9l. per cwt. for small grains in block, 97s. 6d. for brown dust in block, and at from 92s. 6d. to 105s. for pickings in hard brown block. Small to bold selected, mostly loose almonds, were bought in at 24l.

BIRDLIME.—Ten cases fair Japanese were bought in at 9d. per lb.

BUCHU met with keen competition at an advance of about 1d., 21 bales selling at from 1s. 4d. to 1s. 5d. for fair greenish round, and for a bale of yellowish "ovals" 6½d. was paid.

CANNABIS INDICA.—Five cases of East African sold at 5d. per lb. for fair greenish rolls.

CARDAMOMS.—About half the quantity offered was sold at somewhat irregular but generally easier prices, especially for medium grades. The following prices were paid: Ceylon-Mysore, fine bold pale smooth, 2s. 8d. to 2s. 10d.; extra bold palish to pale, 2s. to 2s. 2d.; medium and bold palish to pale, 1s. 8d. to 1s. 10d.; small and medium palish to pale, 1s. 5d. to 1s. 7d.; very small pale, 1s. 4d. to 1s. 5d.; extra bold split, 2s. 1d.; medium and bold ditto, 1s. 10d. to 1s. 11d.; small and medium splits, 1s. 6d. to 1s. 8d.; small split, 1s. 3d. to 1s. 4d.; brown splits and pickings, 1s. 3d. to 1s. 4d.; seed, 1s. 9d. to 1s. 10d. Indian from Calicut and Tuticorin, good bold long pale, 2s. 4d. to 2s. 5d.; bold medium pale, 2s. to 2s. 1d.; small and medium pale, 1s. 8d.; red and split, 1s. 6d.

CASCARA SAGRADA.—The limit for 89 bags of two-year-old bark was 45s.

CASCARILLA.—Nine barrels of siftings sold at from 41s. to 42s., and one bale of small broken quill at 60s. per cwt., without reserve.

CHIRETTA.—A lot of 88 bales of ordinary quality was held for 3d. per lb.

CINCHONA.—Four bales of African broken quill realised 3½d.

CIVET.—Five horns of doubtful quality sold without reserve at 1s. per oz.

COCA-LEAVES.—Steady. Four cases of Ceylon Huanuco sold at from 6d. to 8½d. per lb. for brownish to fair greenish, and five bags of Ceylon-Truxillo sold at 3d.; five bales small shrivelled Java were taken at 6½d.

COCHINEAL.—Eight bags were offered and bought in, including silver Tenerife at 1s. 2d., black at 1s., and grey at 11d. per lb.

COLOCYNTH.—Two packages of dust sold at from 2¼d. to 3¾d.; three bales of pulp at 5¼d., and five cases of peeled apple at 6d. Six bales of good pulp were bought in at 10d. per lb., and 1 cask of good pale apple realised 1s. 1d.

CUTTLE-FISH BONE.—Three cases good small pale clean from Tripoli sold at 4d. per lb. Three cases of extra bold pale Bombay bone sold at 5¼d., fair small to bold at 3d., and small broken at 1¼d.

DRAGON'S-BLOOD.—A large supply of good reboiled Singapore lump was offered, and held for 12d. A case of pickings of mixed quality sold at 5l. 10s. subject. The *Kanagawa Maru* has brought 20 cases from Penang and four cases from Singapore.

GAMBOGE.—Quiet. Three cases of fair Siam pipe, slightly blocky, sold at 14l. 5s., and a case of pickings at 9l. 7s. 6d. per cwt. Ten cases Saigon were bought in at 7l.

GELATIN.—Four cases sold without reserve at 1s. per lb.

GUM ARABIC.—A parcel of 58 bags of good clean pale Ghatti was held at 35s., and of 61 bags Turkey sorts five sold at 29s. for fair hard glassy, and four part blocky at 28s.; fair picked Trieste grains were bought in at 85s.

GUM THUS.—A single case of fair quality sold at 15s. per cwt. subject.

HONEY.—Practically 600 packages were brought to the hammer, this being the accumulations of a month's arrivals. One of the selling brokers intimated that he was informed by several importers that the Jamaica crop was practically over, and that they were firm in their ideas. As it was, very steady rates were paid in spite of the large quantity offered. Good to fine pale set sold at 29s. to 33s. 6d.; pasty set, 31s. 6d.; fair pale brownish set and setting, 25s. to 27s.; dark brown set and setting, 23s. to 24s.; pale amber liquid, 30s.; fair bright amber liquid, 26s. to 28s.; dark brown liquid, 24s. to 24s. 6d.; and common dark, 21s.

INSECT-FLOWERS.—In auction one bale of closed sold at 150s., the price of the best lot (3 bales) being 180s.; open were held at 150s.

IPECACUANHA.—Firm. Thirteen bales Matto Grosso sold, including sea-damaged at 5s., ordinary lean sound to fair bright at 5s. 1d. to 5s. 3d., and bold bright natural 5s. 4d. to 5s. 6d. per lb.; a further 5 bales were bought in at 5s. 6d. per lb. Ten bags of good Cartagena were bought in at 4s. 4d., the broker intimating he would commence at 4s. 3d.; and another lot of 9 bales was held at 4s. 2d.

KOLA.—Eighteen bags of ordinary dark Ceylon sold at 1¾d. per lb. subject, and for two bags dull Jamaica, part wormy, 1½d. was paid. Six bags of dull mouldy Ceylon realised 2¼d. per lb.

MANNA.—A single case of sorts in mass sold at 11d. per lb., without reserve.

MATICO.—Nine bales of country-damaged were bought in at 4½d., no bid being made. Privately the price of sound is 1s.

MYRRH.—Six bales of dust realised 22s.; siftings were bought in at 40s., and fair sorts at 60s.

NUX VOMICA.—Seventy-four bags of ordinary Madras sold at 6s., and 20 bags fair from Coconada at 6s. 6d.

ORANGE-PEEL.—Small sales of dull Tripoli strip were made at 6½d. per lb., and 24 bags of dull thick ringlets realised 1½d. per lb., without reserve.

QUINCE-SEED.—Firm. Two bags of fair Cape sold with competition at 2s. per lb.

RHUARB.—Quiet. Two cases of medium and bold round Shensi, with three-quarter good pinky fracture, sold at 1s. 5d., and two cases of Shensi dull-coated pickings and part spongy sold at 1s. 2d. to 1s. 3d. Three cases of medium flat, High-dried, with three-quarter fair pinky fracture, sold at 1s. 1d., and for 3 cases of small round horny High-dried, with half fair and half grey and dark fracture, 5d. per lb. was paid. Three cases of medium round Shensi, with three-quarter good fracture, slightly dull coat, realised 1s. 7d. to 1s. 8d.

SARSAPARILLA.—The interest centred in the offering of 34 bales Native Jamaica (no grey being offered) which practically all sold at about steady rates, slight concessions being made on the commoner grades. Fair red sold at 1s. to 1s. 1d., ordinary greyish to dull red and yellow mixed 10d. to 11d., and common dull red at 9d. to 9½d. Ten bags of Lima-Jamaica sold at 1s. 1d. for fair, and 1s. for rather chumpy.

SENNA.—Tinnevely was steady, and for the better grades full prices were realised. Good bold green leaf sold at 5¾d. (two bales), fair bold green at 4d., small middling greenish 3d. to 3½d., small ordinary specky 2d. to 2¾d., and small common specky 1½d. to 1¾d. per lb. Pods, 3¾d. Sixteen bales of Tinnevely sold at 1½d. to 1¾d. per lb., without reserve, for common yellowish leaf. Six bales of Alexandrian pods realised 6d. per lb., without reserve, and 24 bales of half-leaf were bought in at 3½d.

TAMARINDS.—Fair East Indian black were held at 12s. 6d. per cwt.; five packages West Indian sold at from 8s. to 9s. 6d. in bond for fair; 30 barrels from St. Nevis had been disposed of privately.

WAX (BEES').—Jamaica was 2s. 6d. to 5s. dearer, sales of fair brown and red mixed being made in quantity at from 7l. 15s. to 8l. per cwt., the bulk at the latter price. Eight cases fair Bombay sold at 6l. 5s., 18 bags Mozambique realised 6l. 12s. 6d. for fair softish block, and 7l. 5s. for part dark pipe; 27 packages East African sold at 7l. to 7l. 2s. 6d., and 98 mats of Madagascar realised 6l. 15s. for good yellow block. Three boxes of grey Australian sold at 8l. 10s., and three cases Chilian at 8l. 5s.

Java Quinine Auction.

At the auction of quinine held at Batavia on June 16, 3,642 kilos. Ed. II. were offered, of which 3,498 kilos. were sold at an average price of fl. 10.20 per kilo. (=2.85c. Amsterdam unit), against fl. 10.50 (—3c. Amsterdam unit) paid at the previous auction.

Vanilla-crops (1908-9).

Mr. Hermann Mayer Senior sends us the following statistics of the 1908-9 vanilla-crops: Bourbon, 30 tons; Seychelles, 20 tons; Comores and Mayotte, 80 tons; Madagascar and Nossi-Be, 60 tons; Mexican, 80 tons; Tahiti, 140 tons; Mauritius, 5 tons; Ceylon, Fiji, Zanzibar, and Java, 12 tons; Guadeloupe and Martinique, 10 tons, making a total of practically 500 tons. The prospects for coming crops in Mexico, Réunion, and the Seychelles are poor, which fact, coupled with the important export demand that prevailed during the past quarter, has put the market on a healthier basis altogether.

Medicinal Herb Crops.

Messrs. W. Ransom & Son, of Hitchin, write on June 12 that most of the medicinal herbs are late this season, but on the whole the prospects are good.

ACONITE.—We anticipate that the crop will be about the average.

BELLADONNA.—The growth has been slow, and the late frosts injured some of the plants. The prospects now indicate a fair crop.

ELATERIUM.—This will barely be up to the average.

HENBANE is a better crop than we have had for several years, and the prices for extract and leaves have consequently declined.

LAVENDER.—The plants look better than usual, but much depends on the weather during and immediately before the harvest.

PEPPERMINT.—This has done badly during recent years, and the plants are still thin.

ROSEMARY.—The low temperatures recorded in the early part of the year were very destructive, and a large proportion of the plants were killed.

WHITE POPPIES.—The plants are coming up fairly well, but it is too early to venture on any forecast.



TO CORRESPONDENTS.—A letter for publication should always be a distinct communication; nothing else should be mixed up with it. Each query—no matter whether legal, dispensing, or general—should stand by itself, and the paper upon which it is written should always be backed with the shop stamp. We do not undertake to reply to queries by post. Write clearly and concisely on one side of the paper only. All communications should be accompanied by the names and addresses of the writers. Publication of letters does not imply our agreement with them. Letters received after Wednesday morning cannot as a rule be dealt with in the current week's issue.

BUSINESS INFORMATION.—We supply by post (when a stamped and addressed envelope is provided) information as to the makers or agents for articles connected with pharmacy and the chemical and drug trades. Inquiries regarding any articles which cannot be traced are inserted under "Information Wanted."

Insecticides, Weed-killers, and Sheep-dips.

SIR,—The contributor to your issue of June 5 has, to my mind, indicated very well the necessary stock a chemist should have in order to meet the first demand for these goods. I may say that it is particularly of insecticides and weed-killers that I can speak from my own knowledge, and, in any case, I think most country chemists, where there is any sheep-dip trade to be done, already know something about sheep-dips and dipping. I would like, however, to supplement "A Country Pharmacist's" article by saying that it is futile for chemists merely to get a supply of the various articles and wait for orders. The trade in poisonous and other weed-killers and insecticides can yet be got by chemists, but they must work in order to get it. A little study is necessary as well as a certain amount of energetic advertising. Those who intend taking up the trade should—indeed, they must if they intend to get the business—work up some knowledge of horticultural and agricultural pests; for the articles mostly sold are for the destruction of these pests—and it is not so very difficult, after all, to get up enough knowledge to sell weed-killers and insecticides. Some knowledge is absolutely necessary, however. Even a careful reading and absorption of the matter printed on the labels of the various preparations often enables one to meet a customer with a sufficient show of knowledge, and I may say I always get new assistants to read carefully the circulars which I distribute in connection with these goods, so as not to show absolute ignorance to inquirers. The study should go a little farther, however, and include a regular reading of some of the horticultural and agricultural journals (I subscribe to three or four), and the Board of Agriculture leaflets on insect and fungoid pests. These leaflets give descriptions of the various pests and the latest means of combating them. It generally impresses a customer when one produces these leaflets, a book on insect pests, or in any way shows even a small amount of intelligent knowledge on the subject. The reason of this is that the study of these matters is really only beginning, and even those who write about them do not profess to have got very far. Professor Theobald's book, "Insect Pests of Fruit" (30s.; published by the author; royal court size), and "Fruit Trees and their Enemies" (1s. 6d., by Theobald and Pickering) are most useful books to have. I have sold two of the former and some dozens of the latter, and always keep copies for my own reference. Information is certain to increase, however, and as it progresses the demand for insecticides and fungicides will increase. It is undoubtedly the case that chemists are handicapped for this business by their general ignorance of gardening and farming, of which subjects most seedsmen know something, although even their knowledge is generally theoretical rather than practical. Chemists should be quite able to compete with seedsmen if they would add to their

knowledge of chemicals some information on insects and fungi, and, if possible, on garden and greenhouse plants and field crops. The advertising is a very important part of the subject, and I find the best results follow a distribution of good circulars among the likely users in one's district. A list should be made of those who keep gardens, either large or small, and at the proper seasons for the various articles circulars should be sent. As your contributor of a fortnight ago said, "Weed-killer can be sold wherever there are weeds and walks," and I would add that a good weed-killer can be promised to save a good many times its cost in labour alone. That is, of course, why weed-killers have come so very generally into use in large gardens, and I am inclined to think there is still plenty of room for expansion in the trade of weed-destroyers, for I have not found them as generally used in the smaller gardens as they might be. I may mention that the sale of insecticidal and fungicidal spraying stuffs opens the door to a trade in syringes, sprayers, and such goods. During the last week I have sold four Knapsack sprayers at a profit of about 10s. each, and two or three spraying syringes at a profit of from 3s. to 5s. each. It should, of course, be borne in mind that the trade in these things is not so big as to be profitable if generally taken up; but it can be made a paying branch for at least one man in a district, and it is the first man who takes it up and works it well who will get the business. It is no use merely asserting that we are better suited than seedsmen and ironmongers to sell insecticides, weed-killers, and fungicides. Let us show we can do it, and we shall get some of the trade, no matter how many licences are granted under the new Act.

Yours truly,
ANOTHER COUNTRY PHARMACIST. (77/48.)

Chemists and the Territorials.

SIR,—With your kind permission I am desirous of thanking the gentlemen who, with such praiseworthy alacrity, responded to the "call to arms." Our demonstration has, for the moment, failed, but we have lost nothing, and a moral victory is certainly ours. We can afford to exercise a little patience. When the permanent officials at the War Office have duly recovered from the shock which our temerity has doubtless occasioned them, they will, perhaps, be surprised to discover that the Service journals have taken the matter up, on the ground of military efficiency. Should it be necessary, there will be no difficulty in getting a question asked in the House. Mr. Haldane, who has an immense amount of work on hand, has probably heard nothing of our application. The gallant 106 pharmacists who volunteered are possibly wondering "how the day went" as regards myself. Well, I happen to be a few months over the age-limit for first appointments, but, owing to the recommendation of several officers, my case is still under consideration. Unless, however, the whole business be reconsidered and settled satisfactorily to us all, I shall refuse the quartermaster-ship.

Faithfully yours,
Surbiton Hill, S.W. W. E. CLARKE.

Treatment of Paronychia.

SIR,—In your reply to "W. F. Y." (61/18) *re* Paronychia you give the same treatment you were good enough to recommend me to try upon a similar case. No doubt it is ideal and effective, but it has objections both in regard to the trouble entailed and the pain experienced in packing the gauze sufficiently low down. To an extent the case received benefit, but I eventually found a much more effective and simple treatment—by using pulv. acid. boric. and rubbing it well down at the base of the nail. At the same time I gave the following pill, and a cure resulted in a short time:

Pil. Blaud.	...	...	...	gr. v.
Sodii arseniat.	...	...	...	gr. j
Ext. nucis vom.	...	...	...	gr. 4

Ft. pil. j. bis die sum.

I may add this was a case of two years' standing.
Yours truly,

Leicester, June 13. E. ALLEN.

SIR,—*Re* query of "W. F. Y." (61/18) for remedy for paronychia, you gave an excellent one some months ago,

different from the one you publish to-day. It was to make ung. ac. boric. into a stiff paste with hyd. subchlor. (calcined), apply to base of nails and allow to remain. It had a marvellous effect on a sister-in-law of mine, whose fingers had resisted treatment, and cured in about a month, though I find the condition of nail re-appears periodically (spring and fall), when the remedy has to be again applied. I believe if persevered with it would cure, but my patient would not keep on when the fingers seemed cured. Thanking you for all your kind offices,

Faithfully yours,

C. S. (74/7.)

Joint Proprietaries.

SIR,—As one who has had the opportunity of having the above scheme explained by Mr. Cadge, I feel that a few expressions of opinion upon it may be of service to the many who have been unable to attend any of the meetings held for the purpose of explaining and discussing this movement. In the first place, we are told that its object is to fight the competition of co-operative societies, joint-stock companies, and grocers, all of whom sell goods in competition with chemists; to use Mr. Cadge's own illustration, the latter have encroached so far on our rights as even to sell lime-juice (why they should not I don't know). So much for the direct-trading competition; then we come to the largely advertised "nostrums," which we are compelled to handle at just what remuneration the advertiser cares to fix (often insufficient to pay working-expenses). Now, were it proposed to place on the market articles to compete with these unprofitable lines only, I might regard the movement more favourably, but individual chemists are asked to give these experimental lines a preference over our own proprietaries, which through years of labour and expenditure of much money have (locally, at any rate) become household necessities. This is for the benefit of the craft, as Mr. Cadge goes on to explain; a chemist's own proprietary is only with difficulty obtained away from the district where prepared, whereas joint proprietaries would be obtainable everywhere, although exactly how the demand is to be created in face of the chemist's natural interest in his own goods is a point for the future to decide. To show the determination of the Association to destroy individual enterprise, the following will serve. Mr. Cadge mentioned that the proprietor of — (a preparation recently placed on the market by a retail chemist) had promised support. I asked if it was likely that the Association would acquire the proprietary rights of —, and received a reply in the negative. I then asked if they would run a speciality in opposition to —. Mr. Cadge's reply was, "Certainly, if we think fit!" The latter course may be in the interest of the craft, but I fancy the proprietor of — will some day wish he had kept his 5/- in his pocket instead of assisting in furthering the sale of a rival preparation. Just one word of warning. This is not the first attempt at running joint proprietaries, but admittedly it is the most serious effort yet made, and herein may lie our downfall; other attempts have failed before doing either good or harm, but should the present movement survive for a period of five or six years, and then, through circumstances as yet unforeseen, the directors find themselves unable to carry on the business, having cast away the substance (our individual proprietaries), the obsequies of the shadow will be sorrowful indeed.

Yours truly,

G. N. EDWARDS.

Ipswich, June 13.

Shorter Hours and Trade Subjects.

SIR,—The election of the N.B. Executive of the Pharmaceutical Society will be over before this letter may be published, but I would like to point out that although several good reasons were put forward by candidates for receiving a vote, such as putting a stop to the wilful misinterpretation of the recent Pharmacy Act through granting licences to unqualified vendors where unnecessary, and the scandal of the doctor's shop "managed" by unqualified assistance, generally female, I saw no reference to the inclusion of pharmacists in the proposed Shop-hours Bill or anything about the Assistants' Union. I have met many employers as well as assistants who sighed for the standard day. The short and busy day exhilarates, the long and weary depresses and debilitates. Under the present system the

employer who closes early on principle undoubtedly loses some business when his neighbours do not follow suit, and there are many who would close earlier if they thought they would not lose thereby. Possibly a few of the candidates would not like to commit themselves, as their places of business can be found open until 10 p.m. almost any week-night, and not all in working-class districts either. Perhaps it is "the other fellow" who is to blame. I know not, but the fact remains. With all the last half-century's cry for shorter hours, the N.U.A.P. is the only body among pharmacists, as far as I am aware, which has attempted to obtain a regulated day. It deserves support and praise for its courage. As a member of the Glasgow and West of Scotland Pharmacists' Association I trust it will keep up its reputation for dealing with both professional and business subjects, and I hope to hear during the next session a lecture, with its accompanying discussion, upon the tyranny of long hours.

St. Mungo. (190/45.)

Chemist Extractors.

SIR,—Having practised dentistry for over twenty years, I am deeply interested in the progress of events just now, and would be a supporter of any scheme started for our protection. I think chemists should be favoured even more than those of the unregistered who exclude us. Anyway, we might do something to prevent us being left out in the cold. Possibly we could annex ourselves to some other organisation if not strong enough to maintain a society of our own.

Yours faithfully,

ANOTHER U.D.P. (76/53.)

SIR,—I am a chemist extractor, and shall be very pleased to fall in with and support any movement in the general interest. I think it would be a good plan if all who forward a card would mention privately under cover the names of any chemist extractors they know, that they might be hunted up by a secretary and asked to join an association.

Yours faithfully,

E. S. STONE.

Watford.

Unqualified Management.

SIR,—Re "Not a Store Chemist's" letter, I think he is himself mistaken. The reason why the large South of England company employs unqualified managers is not, as he mentions, because of their better business ability. The reason is that unqualified men are not so independent as qualified men, who simply give notice and leave if things do not suit them. Unqualified men, when married and settled at a branch, have often to put up with a great deal more than qualified men would—in fact, the qualified men are simply at such branches for the use of their certificates, and the cheapest qualified man they can get suffices.

EXVENTNORIAN. (77/29.)

Inconsistency of Chemists.

SIR,—We have in our town a P.A.T.A. local secretary who subscribes substantially towards P.A.T.A. funds and yet is the pioneer cutter in drugs and patents. One time he sold Winslow's syrup at 9d., seidlitz powders at 4½d. per box of a dozen, Williams's pink pills and Doan's at 1s. 11d., and Cuticura at 9½d. He now cuts photographic goods: half-plates 1s. 9d., quarter-plates 9½d., etc. I shall be glad to know whether photographic plates (Imperial, Ilford, etc.) can be cut?

Yours truly,

CELT. (74/42.)

Reducing Breakages.

SIR,—Grieved by the frequent breakages of measures, etc., by the errand-boys, about a year ago I adopted the plan of paying each boy twopence extra each week in which there has been no breakage. While occasionally forgiving them the inexpensive smashes, the 2d. has been wonderfully successful in lessening the number of measures broken. Sometimes weeks pass without a mishap.

Eastbourne.

SPES. (74/67.)

Messina Earthquake.

SIR,—I am exhibiting photographic views of scenes in the above sad occurrence. The following has been heard more than once: "I say, Bill, look here—Mess in a earthquake." Quite true. 'Twas a mess.

Yours faithfully,

June 12.

ARTHUR STOOKE.

C

Medicated-wine Licence.

SIR,—In addition to Mr. Symes' proposal *re* spirit, I would suggest that we agitate for a 10s. 6d. licence for chemists to sell medicated wines only.

Faithfully yours,

Cheltenham, June 13.

T. A. JEFFREY.

Legal Queries.

L. J. T. (73/13).—We hope to deal with your subject in our next.

Cremo (77/43).—See our *Diary*, p. 253, for information as to the use of preservatives in food.

Mumpara (74/61).—The value of proprietary articles which form part of a retail business purchased may be taken at three years' net profits provided no special considerations have to be taken into account.

W. E. G. (18/31).—We are officially informed that under No. 60 of the Weights and Measures Regulations, 1907, avoirdupois weights are to be stamped on the lead in the adjusting hole in the under surface, except in the case of weights below 1 oz. not provided with an adjusting hole, which have to be stamped on the under surface.

Curious (64/27).—Inland Revenue officers have wide powers in regard to the administration of the Stamp Acts, and any reasonable request made by them—*e.g.*, in regard to stock of medicine-stamps—should be complied with; otherwise a warrant may be obtained for search of every house, room, shop, building, or place belonging to or occupied by the suspected person.

W. E. K. (70/50).—There is nothing in the new Act which expressly prevents a registered chemist and druggist who carries on business as such in premises managed by himself acting as a director of a company carrying on business as chemists and druggists. It also appears that such person may act as superintendent of the company; but if in that capacity he were to manage one of the company's shops, he would cease to *bona fide* conduct his own business, and it is a question as to how far his acting in a dual capacity would invalidate his right to trade privately. A qualified manager of the company's retail shop would most probably bring the proceedings into conformity with the law.

W. C. (76/8).—The Medicine-stamp Acts cover other methods of holding-out than wording. For example, the figure of a foot bearing a corn and a corn-plaster exhibited in a shop where the plasters are sold, with an indication that the plaster relieves the corn, makes the plaster liable to stamp-duty. It has also been held that illustrations may be used in such a manner as to create liability in respect to a medicine, and if an illustration of a plaster can be proved to be what is commonly understood as a corn-plaster, that would, in our opinion, bring the plaster within the charge of duty, seeing that an ailment of the human body is implied, and the mere indication of that involves payment of duty, subject to the exemptions.

Miscellaneous Inquiries.

A. M. (Shanhaikuan) (1/31).—CRYSTALS FOR HARDENING AERATED WATERS.—Since we replied in the *C. & D.* a correspondent has kindly forwarded us a recipe for these:

Potassium nitrate ...	90 parts
Sodium carbonate ...	10 parts

Dissolve in water, evaporate, and allow to remain for crystals to form.

To improve vivacity and appearance of aerated water the above crystals are added in the proportion of 1 oz. to 2 oz. to 30 gals. of water, to which is afterwards added the usual proportion of sodium bicarbonate and the solution aerated.

T. N. C. (63/6).—Cheaper volatile liquids to use in place of methylated spirit in the boot-polish would be mineral naphthas. These, being immiscible, would probably alter the nature of the polish, and might also bring it under the Petroleum Act.

Hypo (50/47).—(1) The sodium hyposulphite which has become tinted with ruddle can be cleaned by shaking backwards and forwards in a rough towel, or it can be made into CONCENTRATED FIXING-BATH as follows: Dissolve 4 lb. of sodium hyposulphite in 44 oz. of water in an enamelled iron saucepan, filter, and make up to 80 oz. Each 5 oz. of this solution is equivalent to 4 oz. of solid sodium hyposulphite. (2) GROUND PINE is *Ajuga chamæpitys*, the leaves of which

are used in female disorders—an infusion of 1 oz. to the pint in tablespoonful doses frequently. The wholesale house probably took the word "ground" as equivalent to "powdered," and hence you did not receive the product you expected.

J. H. (63/1).—ERASMUS WILSON'S HAIR-WASH (without oil).—The following is from "Pharmaceutical Formulas":

Acet. cantharidis ...	3ss.
Aq. mellis ...	3ss.
Glycerini ...	3ss.
Aq. flor. aurantii ...	3ij.
Aq. ad ...	3viij.

S. B. C. (56/24).—(1) The BURNT-SUGAR SOLUTION requires the addition of salt to prevent fermentation. (2) COMPOSITION ESSENCE:

Composition powder ...	3xvj.
Proof spirit ...	3xx.
Glycerin ...	3v.
Water ...	3x.

Macerate for four days and press out the liquor. Mix the marc with a pint of water, and again press. Mix the liquors and reserve. Boil the marc in half a gallon of water, containing potass. carb. 3ij., for ten minutes, and strain 2 pints; when cold add this decoction to the reserve with 3 oz. of rectified spirit and water to 80 oz. Filter.

Manufacturer (29/29).—We suggest that you carry out a few experiments yourself in regard to disguising the smell of petroleum spirit, and also in neutralising its acidity.

J. P. (27/3).—BREEDING-POWDER FOR CANARIES.—You do not say how this is employed; our examination leads us to the belief that it is mainly biscuit-powder. It is probably used as a food.

J. P. (69/11) asks our opinion of the following paragraph:

CALL CUSTOMERS BY NAME.—A good memory is essential to a salesman, and can be put to no better use than storing away for future reference the names of customers. It is a very trivial thing to call a person by his name, but seeming trifles are often big factors in trade building, and this little mark of interest sometimes serves to break down barriers of reserve and establish that friendly footing so desirable to be attained.—*The Apothecary*.

That was written for the United States. It will not do for the United Kingdom, where in many instances it would be a gross breach of etiquette to call customers by their names. "Madam" and "Sir" are the expressions generally used, except in those cases where there is mutual acquaintance.

A. W. (74/5).—There is nothing that will prevent an accurate analysis being made of an alloy of metals.

E. (71/17).—TAPEWORM AND SCOUR IN LAMBS.—Invariably when sheep are suffering from tapeworm (*Tænia expansa*), diarrhœa and debility are two of the premonitory symptoms. Kousoo, in 3ij. doses, proves very effective, or a dose of castor oil with any anthelmintic, such as ol. terebinth. or ol. filicis maris, also proves satisfactory. Try the following after giving the kousoo:

Ferri sulphat. ...	3j.
Pulv. nucis arecæ ...	3iss.
Sodii chloridi ...	3iss.

Fiat pulvis.

One daily in food for a few days, to be followed by a dose of ol. lini or ol. ricini, say 3ij.

Practical Notes and Formulae.**Maisine Varnish.**

To render pills insoluble until they reach the intestines the best coating is maisine, an albuminoid substance prepared from maize. Maisine is soluble in a mixture of alcohol and acetic acid, and is best prepared for use according to the formula devised by M. Gaudichard, as follows:

Maisine ...	35 grams
Alcohol ...	25 grams
Acetic acid ...	40 grams

Dissolve.

Sodium Perborate.

is employed in bleaching in a similar manner to sodium peroxide, but possesses the advantage that it is not hygroscopic nor liable to injure organic substances by reason of the caustic soda produced in the reaction. In the case of sodium perborate the products are oxygen and borax. The disadvantage of sodium perborate is the high price. This salt is employed in cosmetic creams, in throat-gargles, in mouth-washes, for disinfecting surgical instruments, and for making peroxide-of-hydrogen solution.

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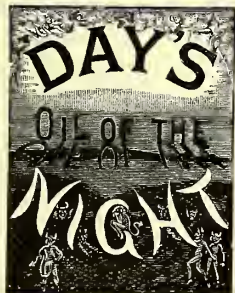
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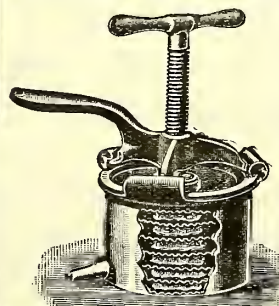
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Hellebore White Powder (Foreign Ground), 1 cwt. @ 28/6 cwt.	Mag. Carb. Leviss, 70 lbs. @ 3½ lb.; 7 lbs. @ 4½ lb.	Oxymel Scilla, B.P., 5 cwt. @ 3/- cwt.; 1 cwt. @ 3½/- cwt.; 5 7 lbs. @ 4½ lb.
Hexamethylenetetramine, 7 lbs. @ 2/1 lb.	Mag. Cit. Gran., 28 lbs. @ 8d. lb.; 6 lbs. @ 9½ lb.	Papain 1-80, 1 lb. @ 16/6 lb.; 1 oz. @ 1/5 oz.
Honey, White Set, 28 lbs. @ 47/- cwt.	Mag. Sulph., fine druggists' B.P., 1 cwt. @ 6/- cwt.	Paraffinum Durum B.P., 2 cwt. @ 3½ lb.; 1 cwt. @ 3½ lb.; 56 lbs. @ 4½ lb.; 7 lbs. @ 5d. lb.
Hydrargyrum P.B., 75 lb. bottle @ 167/-; 10 lbs. @ 2/5 lb.; 1 lb. @ 2/9 lb.; Amom., 28 lbs. @ 2/1 lb.; c. Creta, 28 lbs. @ 1/4 lb.; Iodid. Rub., 28 lbs. @ 8/7 lb.; Oxid. Rub., 28 lbs. @ 2/10 lb.; Perchlor. 28 lbs. @ 2/3½ lb.; Subchlor., 28 lbs. @ 2/7½ lb.; Sulph. c. Sulph., 28 lbs. @ 2/5 lb.; 7-lb. quantities 1½ lb. extra. 3 lb. quantities 2d. lb. extra, 1 lb. quantities 3d. lb. extra.	Manna, fine New Flake, 11 lbs. @ 2/8 lb.; 7 lbs. @ 2/10 lb.; 1 lb. @ 3/- lb.	Mulle Flav. B.P., 3½ cwt. @ 16/6 cwt.; 1 cwt. @ 20/- cwt.; 28 lbs. @ 3½ lb.; 7 lbs. @ 4d. lb.; Alb. B.P. 3½ cwt. @ 55/- cwt.; 28 lbs. @ 7d. lb.
Hydrokinone, 7 lbs. @ 3/4 lb.; 1 lb. @ 3/- lb.	Menthol, dry white cryst., 60 lbs. @ 8½ lb.; 5 lbs. @ 8/10 lb.	Paraldehyde, B.P., 7 lbs. @ 1/10 lb.; 1 lb. @ 2/- lb.
Icthyol Ammon., 3 lbs. @ 10/9 lb.; 1 lb. @ 11/- lb.	*Mist. Senna Comp. B.P., 20 lbs. @ 6½ lb.; 6 lbs. @ 7½ lb.	Pepsin, P.B., 10 lbs. @ 8/10 lb.; 1 lb. @ 9/6 lb.
*Inf. Aurant. Conc., 1 to 7, 6 lbs. @ 1/1 lb.	Morphine, Acet. Hydrochlor. or Sulph., Pulv., B.P., 16 oz. @ 6/6 oz.; 8 oz. @ 6/8 oz.; 1 oz. @ 7/- oz.; Pur. Træcip., Bimeconate or Tart., 1 oz. @ 8/11 oz.	Phenacetin, P.B., pulv. 1 cwt. @ 2/8 lb.; 7 lbs. @ 2/10 lb.; 1 lb. @ 3/- lb.
*Aurant. Comp. Conc., 1 to 7, 6 lbs. @ 1/1 lb.	Morphine Diacetyl., 4 oz. @ 10/- oz.; 1 oz. @ 10/9 oz.; Hydrochlor., 6d. or less.	Phenazone, P.B., 7 lbs. @ 7/- lb.; 1 lb. @ 7/6 lb.
*Buchu Conc., 1 to 7, 6 lbs. @ 1/1 lb.	Myrrh, Gum, English Ground, 28 lbs. @ 1/1 lb.; 7 lbs. @ 1/4 lb.	Phenolphthalein, 7 lbs. @ 8/10; 1 lb. @ 10/- lb.
*Columbæ Conc., 1 to 7, 6 lbs. @ 1½ lb.	Napthalene Candles or Balls, 1 cwt. @ 12/- cwt.; 56 lbs. @ 14/- cwt.; 28 lbs. @ 15/6 cwt.	Pix. Burund. Druggists' 1½ cwt. @ 20/- cwt.; 7 lbs. @ 3½ lb.
*Caryoph. Conc., 1 to 7, 6 lbs. @ 1½ lb.	Nux Areca, 1 cwt. @ 22/- cwt.; 7 lbs. @ 3½ lb.; powder, English ground, @ 59/- cwt.; 7 lbs. @ 7½ lb.	Plumbi Acetas, Druggists' 1 cwt. @ 35/6 cwt.; 7 lbs. @ 4½ lb.; Powder, 1d. lb. extra.
*Cascarilla Conc., 1 to 7, 6 lbs. @ 1½ lb.	Ol. Amygdal. Ang., B.P., 9 lbs. @ 2/- lb.	Podophylli Resina, P.B., 1 lb. @ 11/- lb.
*Cinchona Acid, 1 to 7, 6 lbs. @ 1/7 lb.	Ol. Amygdal. Essent. Artificial, free from Chlorine, 5 lbs. @ 3/- lb.; 1 lb. @ 3/9 lb.	Potassa Caustica Sticks, P.B., 28 lbs. @ 10d. lb.; 6-lb. Bots. @ 11d. lb.
*Gentiana Conc., 1 to 7, 6 lbs. @ 1½ lb.	Ol. Aethi Ang. B.P., 1 lb. @ 12/- lb.	Potas. Acetas, Gran. P.B., 28 lb. @ 1/- lb.; 7 lbs. @ 1/1 lb.
*Quassia Conc., 1 to 7, 6 lbs. @ 1½ lb.	Ol. Anisi, B.L., 66 lbs. @ 1/3 lb.; 16½ lbs. @ 4/10 lb.; 1 lb. @ 5/6 lb.	" Bicarb. pulv., 1 cwt. @ 32/6 cwt.; 7 lbs. @ 11½ lb.; 7 lbs. @ 1/- lb.
*Rhei Conc., 1 to 7, 6 lbs. @ 1/5 lb.	Ol. Aurant. 12 lbs. @ 9/- lb.; 1 lb. @ 10/- lb.; not guaranteed absolutely pure.	" Chlor. Pulv., 1 cwt. @ 4d. lb.; 7 lbs. @ 12/- lb.
*Rose Acid Conc., 1 to 7, 6 lbs. @ 1/8 lb.	Oil of Bays, genuine W.I., 9 lbs. @ 9/6 lb.	Potass. Cit., B.P., 7 lbs. @ 1/3 lb.; 1 cwt. @ 12/- lb.
*Sassafras Conc., 1 to 7, 6 lbs. @ 2/- lb.	Ol. Cajuput, B.P., 16 oz. Bots., @ 2/9 lb.	" Cyanidum 98 % 1 cwt. @ 11½ lb.; 7 lbs. @ 12/- lb.
*Valerian Conc., 1 to 7, 6 lbs. @ 1/3 lb.	Ol. Camphor. Essent., White, 80 lbs. @ 42/6 cwt.; 40 lbs. @ 44/- cwt.; brown, 80 lbs. @ 55/- cwt.; 40 lbs. @ 90/- cwt.	Potass. Iod. P.B., 1 cwt. @ 7/9 lb.; 14 lbs. @ 7/10 lb.; 3 lbs. @ 7/11 lb.
Insect Powder, Opt. English, closed flowers, 28 lbs. @ 7/- lb.; Foreign, 1 cwt. @ 80/- cwt.; 28 lbs. @ 9d. lb.	Ol. Caryoph. Ang., B.P., 9 lbs. @ 3/3 lb.; 4½ lbs. @ 4½ lb.; 4½ lb. @ 4/11 lb.; 6 lbs. @ 5/1 lb.	" Metabisulph., 1 cwt. @ 42/6 cwt.; 7 lbs. @ 5d. lb.; large cryst., 7 lbs. @ 6d. lb.
Iodoform Pulv. B.P., 7 lbs. @ 12/- lb.; 3 lbs. @ 12/4 lb.; 1 lb. @ 12/7 lb.	Ol. Cinnamon, B.P., 1 lb. @ 30/- lb.; 1 oz. @ 2/6 oz.	" Permaug., Cryst., 1 cwt. @ 38/- cwt.; 7 lbs. @ 5d. lb.; large cryst., 7 lbs. @ 6d. lb.
Iodum, resub. B.P., 7 lb. @ 10/6 lb.; 1 lb. @ 11/3 lb.	Ol. Citronelle, 40 lbs. @ 1/4 lb.	Pulv. Caryoph., 7 lbs. @ 10d. lb.
Isinglass, Brazil, fine cnt, 7 lbs. @ 3/9 lb.; 1 lb. @ 4/- lb.; Russian finest, 7 lbs. @ 10/6 lb.; 1 lb. @ 11/- lb. Ribbon or Sheet, 7 lbs. @ 2/9 lb.; 1 lb. @ 3/- lb.	Ol. Cocoa Nuclei, finest White, 80 lbs. @ 43/- cwt.; 40 lbs. @ 5½ lb.	" Creta, Arom. P.B., 14 lbs. @ 7d. lb.; c.
Lapis Pumiceis, fine powder, 2 cwt. @ 8/- cwt.; 7 lbs. @ 1½ lb.; lump, 2 cwt. @ 12/- cwt.; 7 lbs. @ 3½ lb.	Ol. Eucalypt., B.P., 1 cwt. @ 1/1½ lb.; 28 lbs. @ 1/2½ lb.; 9 lbs. @ 1/3½ lb.	Opio B.P., 7 lbs. @ 1/7 lb.
Licorice Juice, 4 and 2 oz. Sticks, 5 cwt. @ 57/- cwt.; 1 cwt. @ 58/- cwt.; 28 lbs. @ 7d. lb.; 7 lbs. @ 7½ lb.	Ol. Gerani Gall. Opt., 1 lb. @ 18/6 lb.; 8 1-oz. herbs, @ 1/11 oz.; 1 oz. @ 2/1 oz.; Turc., 1 lb. @ 9/- lb.; 4 oz. @ 12/6 lb.	Pulv. Glycyrrh. Co. B.P. (Green), English Ground, 56 lbs. @ 31/- cwt.
*Lin. Aconiti Metb., 5 lbs. @ 1/2½ lb.; 1 lb. @ 1/5 lb.	Ol. Gynocardia, 5 lbs. @ 2/6 lb.; 1 lb. @ 2/10 lb.	" Ipecac. Comp. P.B., 1 lb. @ 3/- lb.
*Lin. Bellad. Metb., 5 lbs. @ 1/5 lb.; 1 lb. @ 1/8 lb.	Ol. Jauiperi Bacc., B.P., 4½ lb. @ 3/5 lb.; 1 lb. @ 3/9 lb.; Ligne Exot., 1 cwt. @ 1/2 lb.; 28 lb. @ 1/4 lb.; 8 lb. @ 1/5 lb.	" Jalap. Comp. P.B., 1 lb. @ 1/6 lb.
Lin. Camph. P.B., 40 lbs. @ 10½ lb.; 9 lbs. @ 11/3 lb.	Ol. Lavand. ar Flor., 5 lbs. @ 7/- lb.; 1 lb. @ 3/1/- lb.	" Rhei Comp. P.B., 1 lb. @ 1/2 lb.
Lin. Sapo Meth., 9 lbs. @ 7d. lb.	Ol. Mentb. Pip. English 5 lbs. @ 30/- lb.; 1 lb. @ 31/- lb.; Hotchkiss original bts. 21 oz. each @ 9/7 lb.; American, 20 lbs. @ 6/6 lb.	Quassia Chips, 1 cwt. @ 13/6 cwt.; 28 lbs. @ 2d. lb.
Lin. Tereb. Acet., B.P., 9 lbs. @ 1/- lb.	Ol. Myristice, 7 lbs. @ 3/4 lb.; 1 lb. @ 3/8 lb.	Quinine Bisulph., 100 oz. @ 8d. oz.; 25 oz. @ 9d. oz.; 10 oz. @ 10d. oz.
Linseed c. Oil, Crushed, 3 cwt. @ 16/- cwt.; 1 cwt. @ 16/6 cwt.	Ol. Nuclei, 2 gall. tins @ 4/6 gall.	Quinine Ethyl Carb. (Tasteless), 100 oz. @ 2/5 oz.; 10 oz. @ 2/9 oz.
Lintum, 1 lb. @ 1/4 lb.	Ol. Oliva, P.B., good yellow, 45-gall. barrel @ 4/6 gall.; 2 galls. @ 5/6 gall.	Quinine Hydrobromas or Salicylate, B.P., 100 oz. @ 1½ oz.; 25 oz. @ 1½ oz.; 10 oz. @ 1½ oz.
*Liq. Ammonii Acetatis Conc. 1-7, 6 lbs. @ 10½ lb.; 1 lb. @ 1/0½ lb.	Ol. Origan Rub., Coml., 28 lbs. @ 1/5 lb.; 9 lbs. @ 1/7 lb.	Quinine Hydrochlor., B.P., 100 oz. @ 1½ oz.; 25 oz. @ 1½ oz.; 10 oz. @ 1½ oz.
*Liq. Ammon. Aromat., 6 lbs. @ 9d. lb.	Ol. Peach Kernel (so-called) 1 cwt. @ 10d. lb.; 56 lbs. @ 10½ lb.; 5 lbs. @ 1/1 lb.	Quinine Sulph., P.B., 1,200 oz. @ 6½ lb. oz.; 100 oz. @ 6½ lb. oz.; 25 oz. @ 7d. lb. oz.; 10 oz. @ 8d. oz.
" Antim. Chlor. Pure, 8 lbs. @ 6½ lb.	Ol. Pelegrina, Nov. 1909, finest non-freezing Norwegian 25 gall. tin lined barrels; 1 barrel @ 69/- barrel; 2 gall. tins @ 7/6 each.	Rad. Gent., English Ground, 1 cwt. @ 28/6 cwt.; 7 lbs. @ 4d. lb.
" Arsenicalis, B.P., 7 lbs. @ 4d. lb.; 1 lb. @ 7d. lb.	Ol. Myrbaue, 1 cwt. @ 48/- cwt.; 9 lbs. @ 6½ lb.	Rad. Glycyrrh., English ground, 1 cwt. @ 20/- cwt.; 7 lbs. @ 3d. lb.
" Arseni Hydrochlor., P.B., 7 lbs. @ 4d. lb.; 1 lb. @ 7d. lb.	Ol. Myristice, 7 lbs. @ 3/4 lb.; 1 lb. @ 3/8 lb.	Rad. Jalap., English ground, 28 lbs. @ 1 lb.; 7 lbs. @ 1 lb.
" Bismuth. P.B., 6 lbs. @ 10½ lb.	Ol. Nuclei, 2 gall. tins @ 4/6 gall.	Rad. Rhei, E. I., English ground, 1 cwt. @ 1/- lb.; 28 lbs. @ 1/1½ lb.; 7 lbs. @ 1/3 lb.
" Copaiba Bucba et Onubeb, 5 lbs. @ 2/6 lb.; 1 lb. @ 2/10 lb.	Ol. Oliva, P.B., good yellow, 45-gall. barrel @ 4/6 gall.; 2 galls. @ 5/6 gall.	Rad. Rhei E. I., Trimmel, 7 lbs. @ 4/6 lb.; 1 lb. @ 4/3 lb.
" Easton., p.s. 1-3, B.P., 1 lb. @ 3/- lb.	Ol. Origan Rub., Coml., 28 lbs. @ 1/5 lb.; 9 lbs. @ 1/7 lb.	Resorcin, B.P., 7 lbs. @ 3/2 lb.; 1 lb. @ 3/4 lb.
" Ferri Dialysatus, 6 lbs. @ 7d. lb.	Ol. Peach Kernel (so-called) 1 cwt. @ 10d. lb.; 56 lbs. @ 10½ lb.; 5 lbs. @ 1/1 lb.	Sabadilla Seeds, 28 lbs. @ 8d.; 7 lbs. @ 9d.; Powder, 3d. lb. extra.
" Ferri Iod. p.s. 1-7, 1 lb. @ 5/9 lb.	Ol. Pelegrina, Nov. 1909, finest non-freezing Norwegian 25 gall. tin lined barrels; 1 barrel @ 69/- barrel; 2 gall. tins @ 7/6 each.	Saccharine 550 or 500, 7 lbs. @ 3/6 lb.; 1 lb. @ 35/6 lb.; 330, 7 lbs. @ 27/- lb.; 1 lb. @ 28/6 lb. For Export only, 1 cwt. lots @ 4/- lb. for 550.
" Ferri Perchlor. Fort. P.B., 7 lbs. @ 4d. lb.	Ol. Myristice, 7 lbs. @ 3/4 lb.; 1 lb. @ 3/8 lb.	Sacchar. Ost., 1 cwt. @ 25/6 cwt.; 10 lbs. @ 4d. lb.
" Ferri Phosph. Co. p.s. 1-7, 7 lbs. @ 1/6 lb.	Ol. Nuclei, 2 gall. tins @ 4/6 gall.	Saffron, Valencia, B.P., 1 lb. @ 33/- lb.; 1 oz. @ 2/6 oz.
" Hypophosph. Co. p.s. B.P.O., 1 lb. @ 3/4 lb.	Ol. Oliva, P.B., good yellow, 45-gall. barrel @ 4/6 gall.; 2 galls. @ 5/6 gall.	Sal. Acetos. 1 cwt. @ 6d. lb.; 56 lbs. @ 6½ lb.
" Iodi Fort. B.P., 5 lbs. @ 4/9 lb.	Ol. Origan Rub., Coml., 28 lbs. @ 1/5 lb.; 9 lbs. @ 1/7 lb.	Salicinum, B.P., 1 lb. @ 16/6 lb.
" Morphina Acet. or Hydrochlor. P.B., 6 lbs. @ 2/4 lb.	Ol. Peach Kernel (so-called) 1 cwt. @ 10d. lb.; 56 lbs. @ 10½ lb.; 5 lbs. @ 1/1 lb.	Salol, B.P., 7 lbs. @ 2/3; 1 lb. @ 2/6 lb.
" Opi Fed., 5 lbs. @ 3/3 lb.	Ol. Pelegrina, Nov. 1909, finest non-freezing Norwegian 25 gall. tin lined barrels; 1 barrel @ 69/- barrel; 2 gall. tins @ 7/6 each.	Sang. Draconis pulv., English Ground, 1 cwt. @ 4/10 lb.; 7 lbs. @ 2/4 lb.
" Plumbi Subacet., B.P., 7 lbs. @ 2½ lb.	Ol. Myristice, 7 lbs. @ 3/4 lb.; 1 lb. @ 3/8 lb.	Santoninum, P.B., 7 lbs. @ 1/6 lb.; 1 lb. @ 15/- lb.
" Pruni Virg. p.s. 1-7, 6 lbs. @ 2/2 lb.	Ol. Nuclei, 2 gall. tins @ 4/6 gall.	Sapo Cast. Alb., 10 cwt. @ 23/- cwt.; 2 cwt. @ 24/-; 7 lb. @ 3½ lb.; pulv., 1 cwt. @ 58/- cwt.; 56 lbs. @ 62/- cwt.; 7 lbs. @ 7½ lb.; Animal pulv., 1 cwt. @ 50/6 cwt.; 56 lbs. @ 6d. lb.; 7 lbs. @ 7d. lb.
" Rhoeados pro Syr., 1 to 7, 5 lbs. @ 1/11 lb.	Ol. Oliva, P.B., good yellow, 45-gall. barrel @ 4/6 gall.; 2 galls. @ 5/6 gall.	
" Rhei p.s. 1-7, 6 lbs. @ 2/2 lb.	Ol. Origan Rub., Coml., 28 lbs. @ 1/5 lb.; 9 lbs. @ 1/7 lb.	
" Santali Co., 1 lb. @ 3/- lb.	Ol. Peach Kernel (so-called) 1 cwt. @ 10d. lb.; 56 lbs. @ 10½ lb.; 5 lbs. @ 1/1 lb.	
" Senna Dulc., 6 lbs. @ 1/4 lb.	Ol. Pelegrina, Nov. 1909, finest non-freezing Norwegian 25 gall. tin lined barrels; 1 barrel @ 69/- barrel; 2 gall. tins @ 7/6 each.	
" Senna pro Syr. 1-7, 6 lbs. @ 2/- lb.	Ol. Myristice, 7 lbs. @ 3/4 lb.; 1 lb. @ 3/8 lb.	
" Strychnina, Hyd. B.P., 6 lbs. @ 1/6 lb.	Ol. Nuclei, 2 gall. tins @ 4/6 gall.	
" Toluid. pro. Syr. 1-7, 6 lbs. @ 1/3 lb.	Ol. Oliva, P.B., good yellow, 45-gall. barrel @ 4/6 gall.; 2 galls. @ 5/6 gall.	
" Trinitrini B.P., 1 lb. @ 6/1 lb.	Ol. Origan Rub., Coml., 28 lbs. @ 1/5 lb.; 9 lbs. @ 1/7 lb.	
Lithii Carb., P.B., 28 lbs. @ 2/4 lb.	Ol. Peach Kernel (so-called) 1 cwt. @ 10d. lb.; 56 lbs. @ 10½ lb.; 5 lbs. @ 1/1 lb.	
" Citras, B.P., 28 lbs. @ 2/6 lb.; 7 lbs. @ 2/9 lb.	Ol. Pelegrina, Nov. 1909, finest non-freezing Norwegian 25 gall. tin lined barrels; 1 barrel @ 69/- barrel; 2 gall. tins @ 7/6 each.	
Lycopodium, 28 lbs. @ 1/10 lb.; 7 lbs. @ 2/- lb.	Ol. Myristice, 7 lbs. @ 3/4 lb.; 1 lb. @ 3/8 lb.	
Mag. Calc. Leviss, 56 lbs. @ 8d. lb.; 5 lbs. @ 10d. lb.; 1 lb. @ 1/- lb.	Ol. Nuclei, 2 gall. tins @ 4/6 gall.	
Mag. Calc. Pond., 7 lbs. @ 1/10 lb.; 1 lb. @ 2/- lb.	Ol. Oliva, P.B., good yellow, 45-gall. barrel @ 4/6 gall.; 2 galls. @ 5/6 gall.	

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Pil. Castor Oil (Ol. Ricini, gr. ½; Pot. Sulph., gr. 1½; Pulv. Rhei, gr. ij.; Sapo Hyspan., gr. ½; Ol. Crotonis, gr. 1-16)	2d. per gross.
Pil. Calcii Sulphid., gr. ½, ¾, or 1	2½d. per gross.
Pil. Coloc. Co., B.P.	5½d. per gross.
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Pil. Podophyllin (Podophyllin gr. ½; Ext. Coloc. Co., gr. ½; Pulv. Aloes Socot., gr. j.; Pulv. Scammon., gr. ½; Sapo Hyspan., Ext. Hyoscy., Gingerine, aa. gr. ½)	5d. per gross.
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 „ **Socot. Pulv. English Ground.** 7 lbs. @ 1/3 lb.
Ammon. Carb. Lump. 1 cwt. @ 3½d. lb.; 28 lbs. @ 4½d.
Aqua Anethi Conc. 1 to 40. 5 lbs. @ 2/4 lb.; 1 lb. @ 2/7.
 „ **Anisi Conc.** 1 to 40. 5 lbs. @ 2/4 lb.; 1 lb. @ 2/7.
 „ **Cinnamomi Conc.** 1 to 40. 5 lbs. @ 2/9 lb.; 1 lb. @ 3/-.
Aqua Menth. Pip. Conc. 1 to 40. 5 lbs. @ 2/4 lb.; 1 lb. @ 2/7.
Aqua Rosæ Conc. 1 to 40. 1 lb. @ 6/- lb.
Balsam Copaibæ B.P. 44 lbs. @ 2/1 lb.; 9 lbs. @ 2/3; 1 lb. @ 2/6.
Bismuth Carb. B.P. 14 lbs. @ 7/6 lb.; 3 lbs. @ 7/8; 1 lb. @ 7/10.
Bismuth Subnit. B.P. 14 lbs. @ 6/6 lb.; 3 lbs. @ 6/8; 1 lb. @ 6/10.
Camphor English Flowers B.P. 5 lbs. @ 1/11 lb.
 „ **Tablets ¼ and ½ oz.** 7 lbs. @ 2/1 lb.
Cera Alba, Genuine, Moons. 28 lbs. @ 1/6½ lb.; 4 lbs. @ 1/7½.
Cera Flav., Genuine, Slabs. 28 lbs. @ 1/4½ lb.; 4 lbs. @ 1/5½.
Cetaceum, B.P. 64 lbs. @ 1/3 lb.; 7 lbs. @ 1/5.
Chloral Hydras, Cryst. B.P. 7 lbs. @ 4/4 lb.; 1 lb. @ 4/7.

Chloroform, B.P. 12×8 lb. Bots. @ 1/6½ lb.; 8 lbs. @ 1/7½; 3×1 lb. Bots. @ 1/10½.
Cocain. Hydrochlor. B.P. 100 ozs. @ 7/4 oz.; 25 ozs. @ 7/6; 1 oz. @ 7/10.
Cotton Wool, Absorbent, Interleaved. 28 lbs. @ 7d. lb.; 7 lbs. @ 8d.
Cream of Tartar, B.P. 1 cwt. @ 73/6 cwt.; 7 lbs. @ 9d. lb.
Creasotum Beechwood, B.P. 7 lbs. @ 1/9 lb.; 1 lb. @ 2/-.
Dec. Sarsæ Jam. Co. Conc. 1 to 7. 6 lbs. @ 2/2 lb.
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Formaldehyde, 40%. 132 lb. Carboys, 45/- each.
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 „ **Calumbæ Conc.** 1 to 7. 6 lbs. @ 11d. lb.
 „ **Gentian Co. Conc.** 1 to 7. 6 lbs. @ 11d. lb.
 „ **Quassia Conc.** 1 to 7. 6 lbs. @ 9d. lb.
 „ **Senegæ Conc.** 1 to 7. 6 lbs. @ 1/10 lb.
Lin. Aconiti Meth. 6 lbs. @ 10d. lb.
 „ **Belladon. Meth.** 6 lbs. @ 1/2 lb.
 „ **Camph. Ammon. Meth.** 6 lbs. @ 11d. lb.
Lint, Surgeons'. 7 lbs. @ 1/2 lb.
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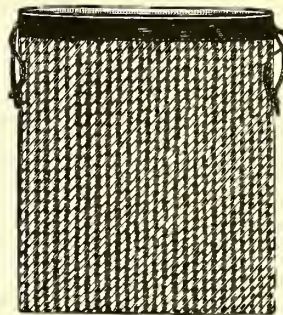
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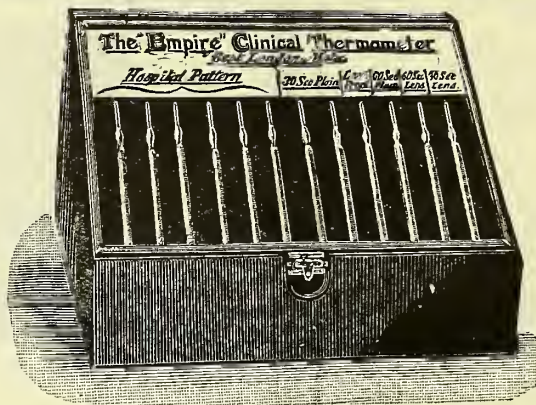
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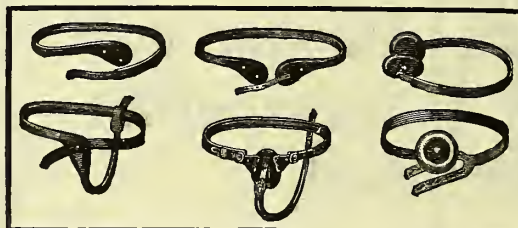


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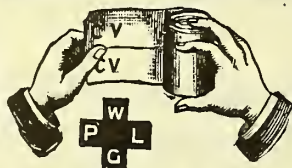
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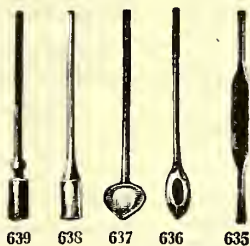
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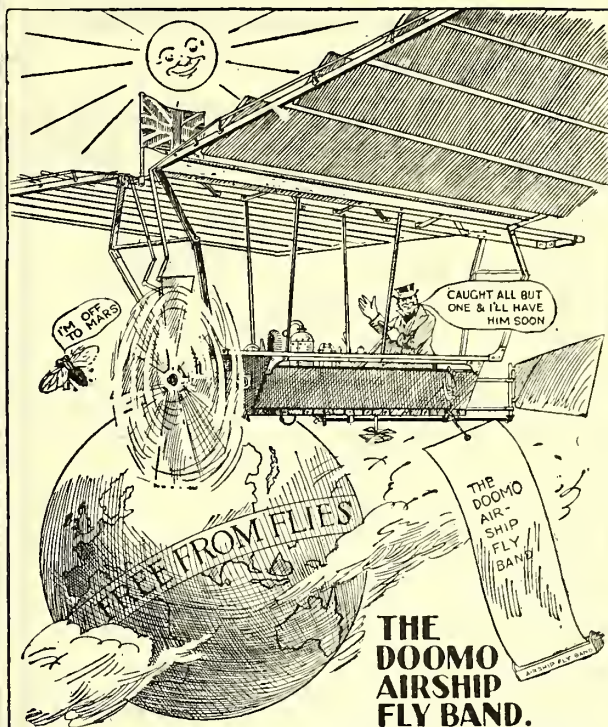
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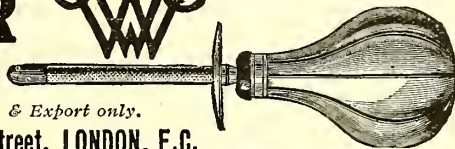
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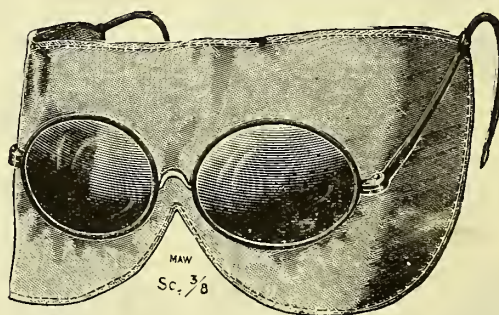
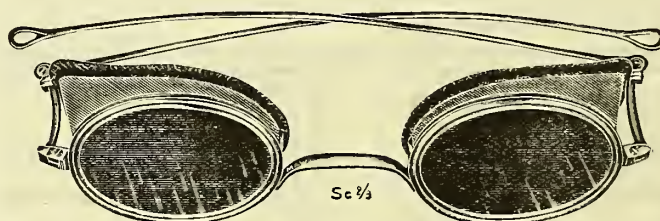
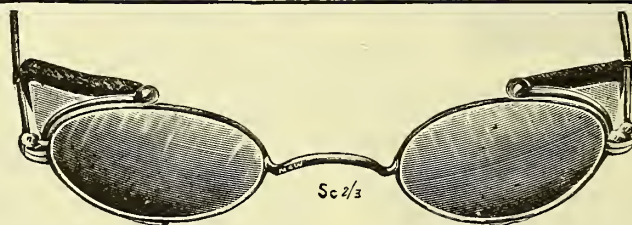
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